

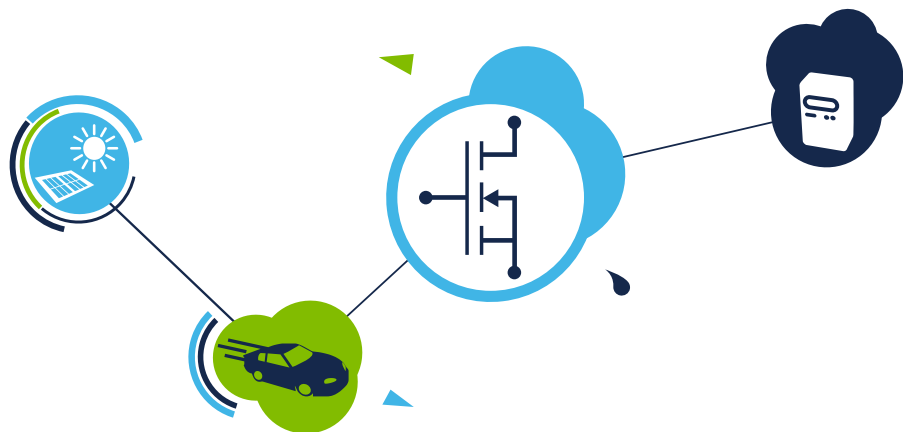


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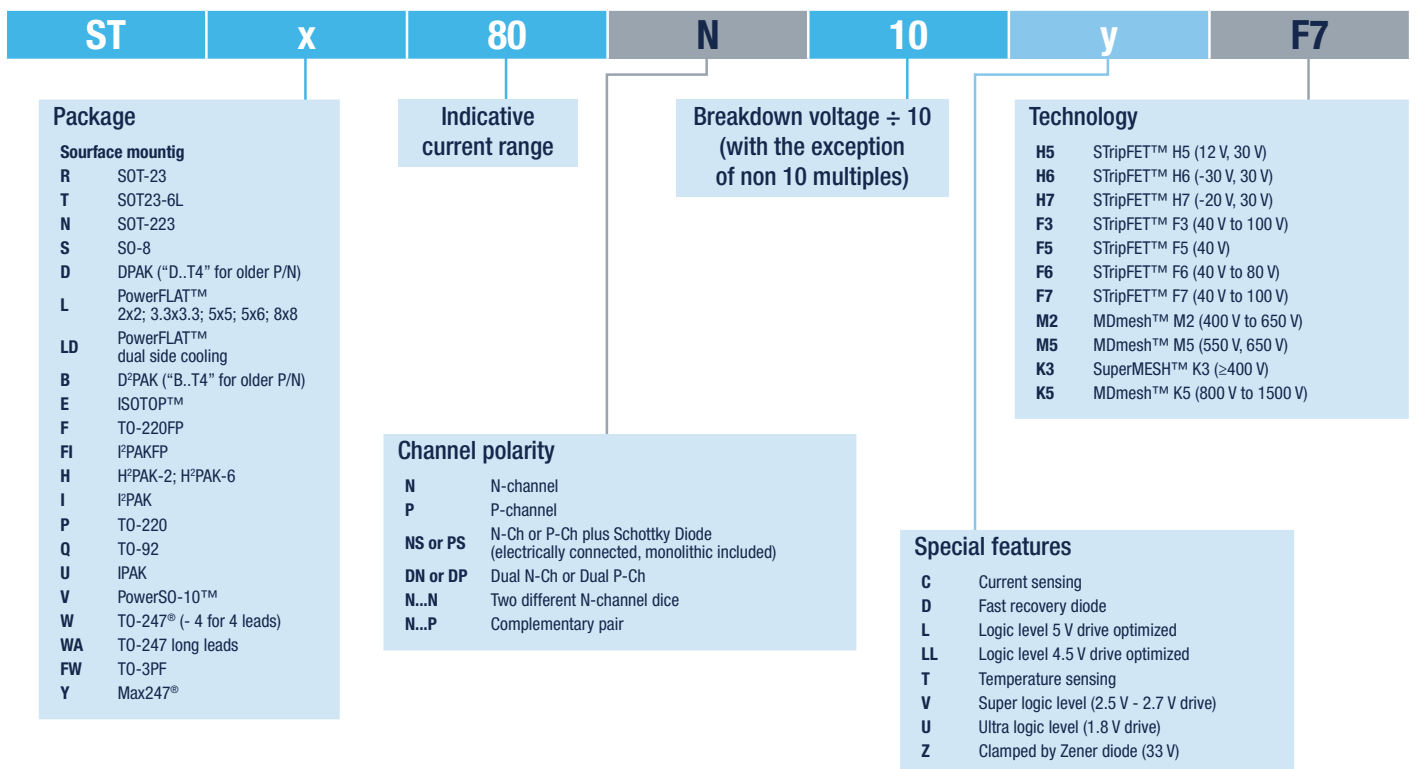
Power MOSFETs

| 30V to 120V | 400V to 700V | 600V | 550V - 650V | 800V ... 1500V |
|--|------------------------------|---------------------------|--|---|
| F7 H7 | M2 M2-EP M6 | DM2 | M5 | K5 |
| Motor Drives Sync.R / DC-DC | Flyback PFC/ LLC Resonant | ZVS / FB & HF | Hi-End PFC, Hard switching topologies Flyback / Two Transistors Forward | Flyback |
| Fork Lift Electric Vehicles Power Tools / Fans | Chargers / LED Lighting | Solar Inverters, UPS, HEV | | LED Lighting Aux Power Supply LED Driver / Metering |

Selection guide



POWER MOSFETs: NOMENCLATURE



N-channel STRipFET H7 series 12 V to 30 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | R _{DS(on)} max (@ 2.7V) (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------------|----------------------|--|--|--------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STR2N2VH5 | 20 | - | 0,035 | 0,055 | - | 6 | 6 | SOT23 |
| STT5N2VH5 | 20 | - | 0,035 | 0,055 | - | 6 | 6 | SOT23-6L |
| STS6NF20V | 20 | - | 0,04 | 0,045 | - | 6 | 8,5 | SO-8 |
| STV300NH02L | 24 | 0,0012 | 0,0015 | - | - | 120 | 109 | PowerSO-10 |
| STH300NH02L6 | 24 | 0,0012 | 0,0015 | - | Yes | 180 | 109 | H2PAK-6 |
| STL220N3LLH7 | 30 | 0,0011 | 0,0015 | - | - | 220 | 46 | PowerFLAT 5x6 |
| STL160NS3LLH7 | 30 | 0,0021 | 0,0031 | - | - | 160 | 22 | PowerFLAT 5x6 |
| STB155N3H6 | 30 | 0,003 | - | - | Yes | 80 | 80 | D2PAK |
| STD155N3H6 | 30 | 0,003 | - | - | Yes | 80 | 80 | DPAK |
| STB155N3LH6 | 30 | 0,003 | 0,004 | - | Yes | 80 | 40 | D2PAK |
| STD155N3LH6 | 30 | 0,003 | 0,004 | - | Yes | 80 | 40 | DPAK |
| STP160N3LL | 30 | 0,0032 | 0,0042 | - | - | 120 | 42 | TO-220 |
| STB100NF03L-03-1 | 30 | 0,0032 | 0,0045 | - | - | 30 | 160 | I2PAK |
| STB100NF03L-03T4 | 30 | 0,0032 | 0,0045 | - | Yes | 100 | 88 | I2PAK |
| STL110NS3LLH7 | 30 | 0,0034 | 0,005 | - | - | 120 | 13,7 | PowerFLAT 5x6 |
| STL23NS3LLH7 | 30 | 0,0034 | 0,005 | - | - | 23 | 13,7 | PowerFLAT 3.3x3.3 |
| STP105N3LL | 30 | 0,0035 | 0,0045 | - | - | 80 | 42 | TO-220 |
| STB200NF03T4 | 30 | 0,0036 | - | - | - | 30 | 113 | D2PAK |
| STL105NS3LLH7 | 30 | 0,0039 | 0,0055 | - | - | 27 | 13,7 | PowerFLAT 5x6 |
| STP80NF03L-04 | 30 | 0,004 | 0,0055 | - | - | 30 | 150 | TO-220 |
| STD96N3LLH6 | 30 | 0,0042 | 0,007 | - | Yes | 80 | 20 | DPAK |
| STL90N3LLH6 | 30 | 0,0045 | 0,0073 | - | - | 90 | 17 | PowerFLAT 5x6 |
| STD86N3LH5 | 30 | 0,005 | 0,0065 | - | Yes | 80 | 14 | DPAK |
| STD86N3LH5AG | 30 | 0,005 | 0,0065 | - | Yes | 80 | 14 | DPAK |
| STL86N3LLH6AG | 30 | 0,0052 | 0,0076 | - | Yes | 80 | 17 | PowerFLAT 5x6 |
| STD100N3LF3 | 30 | 0,0055 | 0,01 | - | Yes | 80 | 20 | DPAK |
| STL66N3LLH5 | 30 | 0,0058 | 0,0075 | - | Yes | 80 | 12 | PowerFLAT 5x6 |
| STL65DN3LLH5 | 30 | 0,0065 | - | - | - | 65 | 12 | PowerFLAT 5x6 double island |
| STD65N3LLH5 | 30 | 0,0069 | 0,0093 | - | - | 65 | 8 | DPAK |
| STL11N3LLH6 | 30 | 0,0075 | 0,0095 | - | - | 11 | 17 | PowerFLAT 3.3x3.3 |
| STL56N3LLH5 | 30 | 0,009 | 0,0112 | - | - | 56 | 6,5 | PowerFLAT 5x6 |
| STL58N3LLH5 | 30 | 0,009 | 0,0112 | - | Yes | 56 | 6,5 | PowerFLAT 5x6 |
| STI55NF03L | 30 | 0,013 | 0,02 | - | Yes | 55 | 20 | I2PAK |
| STL40DN3LLH5 | 30 | 0,018 | 0,025 | - | Yes | 11 | 4,5 | PowerFLAT 5x6 double island |
| STL10N3LLH5 | 30 | 0,019 | 0,022 | - | Yes | 9 | 5 | PowerFLAT 3.3x3.3 |
| STP40NF03L | 30 | 0,022 | - | - | - | 40 | 18 | TO-220 |
| STS8C5H30L | 30 | 0,022 | 0,025 | - | - | 8 | 7 | SO-8 |
| STT6N3LLH6 | 30 | 0,025 | 0,036 | - | - | 6 | 3,6 | SOT23-6L |
| STD30NF03LT4 | 30 | 0,025 | 0,035 | - | - | 30 | 31 | DPAK |
| STD30NF03LT4 | 30 | 0,025 | 0,035 | - | Yes | 30 | 18 | DPAK |
| STD19N3LLH6AG | 30 | 0,033 | 0,05 | - | Yes | 10 | 3,7 | DPAK |
| STL19N3LLH6AG (*) | 30 | 0,033 | 0,05 | - | Yes | | 3,7 | PowerFLAT 5x6 |
| STN19N3LLH6AG (*) | 30 | 0,033 | 0,05 | - | Yes | | 3,7 | SOT-223 |
| STL6N3LLH6 | 30 | 0,035 | 0,06 | - | - | 6 | 3,6 | PowerFLAT 2x2 |
| STD17NF03LT4 | 30 | 0,05 | 0,06 | - | - | 30 | 9 | DPAK |
| STD18NF03L | 30 | 0,05 | 0,06 | - | Yes | 17 | 4,8 | DPAK |
| STN4NF03L | 30 | 0,05 | - | - | - | 4 | 6,5 | SOT-223 |
| STL66DN3LLH5 | 30 | 0,065 | 0,0079 | - | Yes | 20 | 12 | PowerFLAT 5x6 double island |
| STP200N3LL (*) | 30 | - | - | 0 | - | - | - | TO-220 |
| STD150NS3LLH7 (*) | 30 | 0,0021 | 0,0031 | - | - | 160 | 22 | DPAK |
| STD90NS3LLH7 | 30 | - | - | - | - | - | - | DPAK |

Note: * coming soon

N-channel STRipFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------|----------------------|--|--|------------------|--------------------------|---------------------------|---------------------------------|
| STP80NS04ZB | 33 | 0,009 | - | Yes | 80 | 80 | TO-220 |
| STP70NS04ZC | 33 | 0,011 | - | Yes | 80 | 58 | TO-220 |
| STP75NS04Z | 33 | 0,011 | - | - | 80 | 50 | TO-220 |
| STD70NS04ZL | 33 | 0,0125 | 0,0105 | Yes | 70 | 32 | DPAK |
| STP62NS04Z | 33 | 0,015 | - | - | 62 | 34 | TO-220 |
| STH410N4F7-2AG | 40 | 0,0011 | - | Yes | 180 | 220 | H2PAK-2 |
| STH410N4F7-6AG | 40 | 0,0011 | - | Yes | 180 | 220 | H2PAK-6 |
| STL285N4F7AG | 40 | 0,0011 | - | Yes | 120 | 67 | PowerFLAT 5x6 |
| STL260N4LF7 | 40 | 0,0011 | 0,0014 | - | - | 60 | PowerFLAT 5x6 |
| STH400N4F6-2 | 40 | 0,00115 | - | Yes | 180 | 404 | H2PAK-2 |
| STH400N4F6-6 | 40 | 0,00115 | - | Yes | 180 | 404 | H2PAK-6 |
| STH360N4F6-2 | 40 | 0,00125 | - | Yes | 180 | 340 | H2PAK-2 |
| STH320N4F6-2 | 40 | 0,0013 | - | Yes | 200 | 240 | H2PAK-2 |
| STH320N4F6-6 | 40 | 0,0013 | - | Yes | 200 | 160 | H2PAK-6 |
| STV270N4F3 | 40 | 0,0015 | - | Yes | 270 | 110 | PowerSO-10 |
| STLD200N4F6AG | 40 | 0,0015 | - | Yes | 120 | 172 | PowerFLAT 5x6 dual side cooling |
| STI410N4F7AG | 40 | 0,0015 | - | Yes | 180 | 220 | TO-220 |
| STP410N4F7AG | 40 | 0,0015 | - | Yes | 180 | 220 | TO-220 |
| STH260N4LF7-2 | 40 | 0,0016 | 0,0019 | - | - | 60 | H2PAK-2 |
| STL210N4F7AG | 40 | 0,0016 | - | Yes | 120 | 43 | PowerFLAT 5x6 |
| STH260N4LF7-6 | 40 | 0,0016 | 0,0019 | - | - | 60 | H2PAK-6 |
| STH270N4F3-2 | 40 | 0,0017 | - | - | 180 | 110 | H2PAK-2 |
| STH270N4F3-6 | 40 | 0,0017 | - | Yes | 180 | 110 | H2PAK-6 |
| STH270N4F3-6 | 40 | 0,0017 | - | - | 200 | 110 | H2PAK-6 |
| STH290N4F6-6AG | 40 | 0,0017 | - | - | 180 | 115 | H2PAK-6 |
| STH290N4F6-2AG | 40 | 0,0017 | - | - | 180 | 115 | H2PAK-2 |
| STI400N4F6 | 40 | 0,0017 | - | Yes | 120 | 377 | I2PAK |
| STP400N4F6 | 40 | 0,0017 | - | Yes | 120 | 377 | TO-220 |
| STI360N4F6 | 40 | 0,0018 | - | Yes | 120 | 340 | I2PAK |
| STP360N4F6 | 40 | 0,0018 | - | Yes | 120 | 340 | TO-220 |
| STB270N4F3 | 40 | 0,002 | - | Yes | 160 | 110 | D2PAK |
| STL190N4F7AG | 40 | 0,002 | - | Yes | 120 | 41 | PowerFLAT 5x6 |
| STP260N4LF7 | 40 | 0,002 | 0,0023 | - | 110 | 60 | TO-220 |
| STF260N4F7 | 40 | 0,0022 | - | - | 120 | - | TO-220FP |
| STI300N4F6 | 40 | 0,0022 | - | Yes | 160 | 240 | I2PAK |
| STFU260N4F7 | 40 | 0,0022 | - | - | 120 | - | TO-220FP ultra narrow leads |
| STL260N4F7 (*) | 40 | 0,0022 | - | - | 120 | - | PowerFLAT 5x6 |
| STP260N4F7 | 40 | 0,0022 | - | - | 120 | - | TO-220 |
| STP260N4F7 | 40 | 0,0022 | - | - | 120 | - | TO-220 |
| STH175N4F6-2AG | 40 | 0,0024 | - | Yes | 120 | 130 | H2PAK-2 |
| STH175N4F6-6AG | 40 | 0,0024 | - | Yes | 120 | 130 | H2PAK-6 |
| STH180N4F6-2 | 40 | 0,0024 | - | - | 120 | 130 | H2PAK-2 |
| STL140N4LF7 (*) | 40 | 0,0025 | 0,0034 | - | 140 | 20 | PowerFLAT 5x6 |
| STL24N4LF7 | 40 | 0,0025 | 0,0034 | - | 24 | 20 | PowerFLAT 3.3x3.3 |
| STL160N4F7 | 40 | 0,0025 | - | - | 120 | 29 | PowerFLAT 5x6 |
| STL140N4F7AG | 40 | 0,0025 | - | Yes | 120 | 29 | PowerFLAT 5x6 |
| STI270N4F3 | 40 | 0,0026 | - | Yes | 160 | 110 | I2PAK |
| STL140N4LLF5 | 40 | 0,0027 | - | - | 140 | 45 | PowerFLAT 5x6 |
| STD175N4F6AG | 40 | 0,0027 | - | Yes | 80 | 130 | DPAK |
| STD180N4F6 | 40 | 0,0027 | - | - | 80 | 130 | DPAK |
| STI175N4F6AG | 40 | 0,0027 | - | - | 120 | 130 | I2PAK |

Note: * coming soon

N-channel STRipFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | | Qg (typ) (nC) | Package |
|------------------|----------------------|--|--|------------------|--------------------------|------|---------------------------------|---------|
| STP180N4F6 | 40 | 0,0027 | | | 120 | 130 | TO-220 | |
| STD170N4F7AG | 40 | 0,0028 | | Yes | | | DPAK | |
| STP160N4LF6 | 40 | 0,0029 | 0,0031 | - | 120 | 181 | TO-220 | |
| STLD125N4F6AG | 40 | 0,003 | | Yes | 120 | 90 | PowerFLAT 5x6 dual side cooling | |
| STH160N4LF6-2 | 40 | 0,0032 | 0,0046 | - | 160 | 180 | H2PAK-2 | |
| STH160N4LF6-2 | 40 | 0,0032 | | | 120 | 180 | H2PAK-2 | |
| STP160N4LF6 | 40 | 0,0032 | | | 120 | 180 | TO-220 | |
| STD134N4F7AG | 40 | 0,0035 | | Yes | | | TO-220 | |
| STL120N4F6AG | 40 | 0,0036 | - | Yes | 120 | 63 | PowerFLAT 5x6 | |
| STD130N4F6AG | 40 | 0,0036 | - | Yes | 80 | 7- | DPAK | |
| STL120N4LF6AG | 40 | 0,0036 | | Yes | 120 | | PowerFLAT 5x6 | |
| STB120N4F6 | 40 | 0,004 | - | Yes | 80 | 65 | D2PAK | |
| STB140N4F6 | 40 | 0,004 | | - | 80 | 70 | D2PAK | |
| STB120N4LF6 | 40 | 0,004 | 0,005 | Yes | 80 | 80 | D2PAK | |
| STD120N4F6 | 40 | 0,004 | - | Yes | 80 | 65 | DPAK | |
| STD120N4F6 | 40 | 0,004 | | | 80 | 65 | DPAK | |
| STD120N4LF6 | 40 | 0,004 | 0,005 | Yes | 80 | 80 | DPAK | |
| STP180NS04ZC | 40 | 0,0042 | - | Yes | 120 | 110 | TO-220 | |
| STP120N4F6 | 40 | 0,0043 | - | Yes | 80 | 65 | TO-220 | |
| STP120N4F6 | 40 | 0,0043 | | | 80 | 65 | TO-220 | |
| STP140N4F6 | 40 | 0,0043 | | - | 80 | 70 | TO-220 | |
| STL105DN4LF7AG | 40 | 0,0045 | 0,008 | Yes | | | PowerFLAT 5x6 double island | |
| STL105N4LF7 (*) | 40 | 0,0045 | 0,008 | | 105 | 13 | PowerFLAT 5x6 | |
| STB100NF04T4 | 40 | 0,0046 | | | 120 | 110 | D2PAK | |
| STB100NF04T4 | 40 | 0,0046 | - | Yes | 120 | 110 | D2PAK | |
| STP100NF04 | 40 | 0,0046 | - | Yes | 120 | 110 | TO-220 | |
| STP100NF04 | 40 | 0,0046 | | | 120 | 110 | TO-220 | |
| STB170NF04 | 40 | 0,005 | - | Yes | 80 | 117 | D2PAK | |
| STD95N4F3 | 40 | 0,0058 | - | Yes | 80 | 40 | DPAK | |
| STL76DN4LF7AG | 40 | 0,006 | 0,0012 | Yes | 40 | 14 | PowerFLAT 5x6 double island | |
| STD95N4LF3 | 40 | 0,006 | - | Yes | 80 | 50 | DPAK | |
| STD80N4F6 | 40 | 0,006 | - | Yes | 80 | 36 | DPAK | |
| STP95N4F3 | 40 | 0,0062 | - | Yes | 80 | 40 | TO-220 | |
| STB80N4F6AG | 40 | 0,0063 | | Yes | 80 | 36 | D2PAK | |
| STL70N4LLF5 | 40 | 0,0067 | 0,009 | Yes | 70 | 12,9 | PowerFLAT 5x6 | |
| STP150NF04 | 40 | 0,007 | - | Yes | 80 | 118 | TO-220 | |
| STP150NF04 | 40 | 0,007 | | | 150 | | TO-220 | |
| STD64N4F6AG | 40 | 0,0082 | - | Yes | 54 | 44 | DPAK | |
| STL15DN4F5 | 40 | 0,009 | - | Yes | 15 | 25 | PowerFLAT 5x6 double island | |
| STD44N4LF6 | 40 | 0,0125 | 0,018 | Yes | 44 | 22 | DPAK | |
| STL52DN4LF7AG | 40 | 0,016 | 0,02 | Yes | 18 | 12 | PowerFLAT 5x6 double island | |
| STD30NF04LT | 40 | 0,03 | 0,05 | Yes | 30 | 17 | DPAK | |
| STD60NF04LT | 40 | | | | | | DPAK | |
| STL260N45LF7 (*) | 45 | 0,00115 | 0,0015 | | | 55 | PowerFLAT 5x6 | |
| STL200N45LF7 (*) | 45 | 0,0018 | 0,0025 | | | 33 | PowerFLAT 5x6 | |
| STP190N55LF3 | 55 | 0,0037 | - | Yes | 120 | 60 | TO-220 | |
| STP185N55F3 | 55 | 0,0038 | - | Yes | 120 | 110 | TO-220 | |
| STP110N55F6 | 55 | 0,0052 | - | - | 110 | 126 | TO-220 | |
| STB150NF55T4 | 55 | 0,006 | | Yes | 120 | 140 | D2PAK | |
| STP150NF55 | 55 | 0,006 | - | Yes | 150 | 140 | TO-220 | |
| STB80NF55-06-1 | 55 | 0,0065 | - | Yes | 80 | 140 | I2PAK | |

Note: * coming soon

N-channel STRipFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------------|----------------------|--|--|------------------|--------------------------|---------------------------|-------------------|
| STB80NF55-06T4 | 55 | 0,0065 | | | 80 | 140 | D2PAK |
| STB80NF55L-06T4 | 55 | 0,0065 | 0,008 | | 80 | 175 | D2PAK |
| STP80NF55-06 | 55 | 0,0065 | - | – | 80 | 140 | TO-220 |
| STP80NF55-06FP | 55 | 0,0065 | - | – | 80 | 140 | TO-220FP |
| STP80NF55L-06 | 55 | 0,0065 | 0,008 | | 80 | 175 | TO-220 |
| STP140NF55T4 | 55 | 0,008 | | | 80 | 142 | D2PAK |
| STB141NF55 | 55 | 0,008 | | Yes | 80 | 142 | TO-220 |
| STB78NF55-08 | 55 | 0,008 | | | 80 | 112 | D2PAK |
| STB80NF55-08AG (*) | 55 | 0,008 | - | Yes | 80 | 112 | D2PAK |
| STB85NF55LT4 | 55 | 0,008 | - | Yes | 80 | 80 | D2PAK |
| STB85NF55T4 | 55 | 0,008 | - | Yes | 80 | 120 | D2PAK |
| STP140NF55 | 55 | 0,008 | - | – | 80 | 142 | TO-220 |
| STP141NF55 | 55 | 0,008 | - | Yes | 80 | 142 | TO-220 |
| STP80NF55-08AG (*) | 55 | 0,008 | - | Yes | 80 | 112 | TO-220 |
| STP85NF55 | 55 | 0,008 | - | Yes | 80 | 120 | TO-220 |
| STP85NF55L | 55 | 0,008 | - | Yes | 80 | 80 | TO-220 |
| STP90N55F4 | 55 | 0,008 | - | – | 80 | 90 | TO-220 |
| STD60N55F3 | 55 | 0,0085 | - | – | 65 | 33,5 | DPAK |
| STD65N55LF3 | 55 | 0,0085 | 0,012 | Yes | 80 | 20 | DPAK |
| STD60NF55LAT4 | 55 | 0,015 | 0,017 | Yes | 60 | 72 | DPAK |
| STD60NF55LT4 | 55 | 0,015 | 0,017 | | 60 | 72 | DPAK |
| STL220N6F7 | 60 | 0,0014 | | – | 260 | 100 | PowerFLAT 5x6 |
| STL225N6F7AG (*) | 60 | 0,0014 | | Yes | 260 | 100 | PowerFLAT 5x6 |
| STH272N6F7-6AG (*) | 60 | 0,0015 | | Yes | 180 | 170 | H2PAK-6 |
| STL220NS6F7 (*) | 60 | 0,0016 | | | | 100 | PowerFLAT 5x6 |
| STH220N6F7-2 | 60 | 0,0021 | | – | 120 | 100 | |
| STH220N6F7-6 | 60 | 0,0021 | | – | 120 | 100 | |
| STH265N6F6-2AG | 60 | 0,0021 | 0 | | 180 | 183 | H2PAK-2 |
| STH265N6F6-2AG | 60 | 0,0021 | - | Yes | 180 | 183 | H2PAK-2 |
| STH265N6F6-6AG | 60 | 0,0021 | 0 | | 180 | 183 | H2PAK-6 |
| STH265N6F6-6AG | 60 | 0,0021 | - | Yes | 180 | 183 | H2PAK-6 |
| STP220N6F7 | 60 | 0,0024 | | – | 120 | 100 | TO-220 |
| STL140N6F7 | 60 | 0,0028 | - | – | 120 | 55 | PowerFLAT 5x6 |
| STW265N6F6AG | 60 | 0,00285 | - | Yes | 180 | 183 | TO-247 |
| STH140N6F7-2 | 60 | 0,0032 | - | – | 80 | 55 | H2PAK-2 |
| STH140N6F7-6 | 60 | 0,0032 | - | – | 80 | 55 | H2PAK-6 |
| STF140N6F7 | 60 | 0,0035 | - | – | 80 | 55 | TO-220FP |
| STF1140N6F7 | 60 | 0,0035 | - | – | 80 | 55 | I2PakFP |
| STL130N6F7 | 60 | 0,0035 | - | – | 130 | 45 | PowerFLAT 5x6 |
| STD140N6F7 | 60 | 0,0038 | | | 80 | 55 | DPAK |
| STP140N6F7 | 60 | 0,0038 | - | – | 80 | 40 | TO-220 |
| STD130N6F7 | 60 | 0,005 | | | 80 | 45 | DPAK |
| STD80N6F6 | 60 | 0,005 | - | Yes | 80 | 147 | DPAK |
| STP130N6F7 | 60 | 0,005 | - | – | 80 | 45 | TO-220 |
| STP80N6F6 | 60 | 0,005 | - | Yes | 80 | 147 | TO-220 |
| STB130N6F7 | 60 | 0,005 | - | – | 80 | 45 | D2PAK |
| STL20N6F7 | 60 | 0,0054 | - | – | 20 | 30 | PowerFLAT 3.3x3.3 |
| STL90N6F7 | 60 | 0,0054 | - | – | 90 | 30 | PowerFLAT 5x6 |
| STF100N6F7 | 60 | 0,0056 | - | – | 46 | 30 | TO-220FP |
| STP100N6F7 | 60 | 0,0056 | - | – | 100 | 30 | TO-220 |
| STB100N6F7 | 60 | 0,0056 | - | – | 100 | 30 | D2PAK |

Note: * coming soon

N-channel STRipFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------|----------------------|--|--|------------------|--------------------------|---------------------------|-----------------------------|
| STP90N6F6 | 60 | 0,0063 | - | - | 90 | 74,9 | TO-220 |
| STL16N6LF7 (*) | 60 | 0,0064 | 0,0096 | | 16 | 15 | PowerFLAT 3.3x3.3 |
| STL90N6LF7 (*) | 60 | 0,0064 | 0,0096 | | 90 | 15 | PowerFLAT 5x6 |
| STP77N6F6 | 60 | 0,007 | - | - | 77 | 70,5 | TO-220 |
| STD46N6F7 | 60 | 0,014 | | | 15 | 17 | DPAK |
| STL50N6F7 | 60 | 0,014 | | | 50 | 17 | PowerFLAT 5x6 |
| STP60NF06L | 60 | 0,014 | 0,016 | - | 60 | 35 | TO-220 |
| STP65NF06 | 60 | 0,014 | - | - | 60 | 54 | TO-220 |
| STB60NF06LT4 | 60 | 0,014 | 0,016 | Yes | 60 | 65 | D2PAK |
| STL50DN6F7 | 60 | 0,014 | | | 50 | 17 | PowerFLAT 5x6 double island |
| STL11N6F7 | 60 | 0,015 | | | 11 | 17 | PowerFLAT 3.3x3.3 |
| STB60NF06T4 | 60 | 0,016 | 0 | | 60 | 49 | D2PAK |
| STD60NF06T4 | 60 | 0,016 | - | - | 60 | 49 | DPAK |
| STP60NF06 | 60 | 0,016 | - | - | 60 | 49 | TO-220 |
| STP60NF06FP | 60 | 0,016 | - | - | 30 | 49 | TO-220FP |
| STB55NF06LT4 | 60 | 0,017 | 0,02 | - | 35 | 25 | D2PAK |
| STD35NF06LT4 | 60 | 0,017 | - | Yes | 35 | 25 | DPAK |
| STB55NF06T4 | 60 | 0,018 | - | - | 50 | 44,5 | D2PAK |
| STB55NF06T4 | 60 | 0,018 | - | - | 50 | 44,5 | TO-220 |
| STP55NF06 | 60 | 0,018 | - | - | 50 | 44,5 | TO-220 |
| STP55NF06L | 60 | 0,018 | 0,02 | - | 55 | 27 | TO-220 |
| STD35NF06LT4 | 60 | 0,0195 | 0,0215 | Yes | 55 | 27 | DPAK |
| STS7NF60L | 60 | 0,0195 | 0,0215 | - | 7,5 | 25 | SO-8 |
| STD35NF06T4 | 60 | 0,02 | | | 50 | 35 | DPAK |
| STL7N6F7 | 60 | 0,023 | | | 7 | 8 | PowerFLAT 2x2 |
| STL8N6F7 | 60 | 0,023 | | | 8 | 8 | PowerFLAT 3.3x3.3 |
| STD35NF06T4 | 60 | 0,024 | - | - | 35 | 44,5 | DPAK |
| STD30N6LF6AG | 60 | 0,025 | 0,03 | Yes | 24 | 27,3 | DPAK |
| STL36DN6F7 | 60 | 0,027 | | | 36 | 8 | PowerFLAT 5x6 double island |
| STL8DN6LF6AG | 60 | 0,027 | 0,031 | Yes | 9,6 | 27,3 | PowerFLAT 5x6 double island |
| STL8N6LF6AG | 60 | 0,027 | 0,031 | Yes | 9,6 | 27,3 | PowerFLAT 5x6 |
| STS8DN6LF6AG | 60 | 0,027 | 0,031 | Yes | 9,6 | 27,3 | SO-8 |
| STS8N6LF6AG | 60 | 0,027 | 0,031 | Yes | 9,6 | 27,3 | SO-8 |
| STB45NF06T4 | 60 | 0,028 | 0 | | 38 | 0 | D2PAK |
| STD29NF06L | 60 | 0,028 | 0,03 | | 28 | 0 | DPAK |
| STD30NF06LAG | 60 | 0,028 | 0,03 | | 28 | 0 | DPAK |
| STF40NF06 | 60 | 0,028 | - | Yes | 23 | 32 | TO-220FP |
| STP45NF06 | 60 | 0,028 | - | - | 38 | 32 | TO-220 |
| STL8DN6LF3 | 60 | 0,03 | - | Yes | 7,8 | 13 | PowerFLAT 5x6 double island |
| STL8N6LF3 | 60 | 0,03 | | Yes | 7,8 | 13 | PowerFLAT 5x6 |
| STL20DNF06LAG | 60 | 0,04 | 0,05 | Yes | 20 | 22,5 | PowerFLAT 5x6 double island |
| STD19NF06L | 60 | 0,04 | 0,048 | | | | DPAK |
| STD20NF06 | 60 | 0,04 | - | - | 23 | 20 | DPAK |
| STD20NF06LAG (*) | 60 | 0,04 | 0,048 | Yes | | 12 | DPAK |
| STD22NF06AG | 60 | 0,04 | - | Yes | 23 | 20 | DPAK |
| STL20NF06LAG | 60 | 0,04 | 0,05 | Yes | 20 | 22,5 | PowerFLAT 5x6 |
| STP36NF06L | 60 | 0,04 | 0,05 | Yes | 30 | 12 | TO-220 |
| STL7DN6LF3 | 60 | 0,043 | 0,06 | Yes | 6,5 | 8,7 | PowerFLAT 5x6 double island |
| STL7N6LF3 | 60 | 0,043 | 0,06 | Yes | 6,5 | 8,8 | PowerFLAT 5x6 |
| STS5DNF60L | 60 | 0,045 | 0,065 | Yes | 4 | 15 | SO-8 |
| STS4DNF60L | 60 | 0,055 | 0,065 | | 4 | 32 | SO-8 |

Note: * coming soon

N-channel STRipFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------|----------------------|--|--|------------------|--------------------------|---------------------------|-------------------|
| STS5NF60L | 60 | 0,055 | 0,065 | Yes | 5 | 17 | SO-8 |
| STB25NF06AG | 60 | 0,07 | | Yes | 16 | 14 | D2PAK |
| STB25NF06LAG (*) | 60 | 0,07 | - | Yes | 25 | 14 | D2PAK |
| STD16NF06LT4 | 60 | 0,07 | 0,085 | | 24 | 14 | DPAK |
| STD16NF06T4 | 60 | 0,07 | | | 16 | 14 | DPAK |
| STP16NF06L | 60 | 0,09 | - | - | 16 | 7,3 | TO-220 |
| STD11NF06L (*) | 60 | 0,1 | 0,12 | | 12 | 7,5 | DPAK |
| STD12NF06LAG (*) | 60 | 0,1 | 0,12 | Yes | 12 | 7,5 | DPAK |
| STD12NF06T4 | 60 | 0,1 | - | - | 12 | 10 | DPAK |
| STN3NF06 | 60 | 0,1 | - | - | 3 | 10 | SOT-223 |
| STN3NF06L | 60 | 0,1 | 0,12 | | 3 | 12 | SOT-223 |
| STN4NF06L | 60 | 0,1 | 0,12 | Yes | 4 | 7 | SOT-223 |
| STP80N70F6 | 68 | 0 | 0 | | 0 | 0 | TO-220 |
| STP110N7F6 | 68 | 0,0065 | - | - | 110 | 100 | TO-220 |
| STP80NF70 | 68 | 0,0098 | 0 | | 98 | 75 | TO-220 |
| STP80N70F4 | 68 | 0,0098 | 0 | | 85 | 76 | TO-220 |
| STP80N70F4 | 68 | 0 | | | | | TO-220 |
| STP80NF70 | 70 | - | - | - | - | - | TO-220 |
| STH110N7F6-2 | 70 | 0 | | | | | H2PAK-2 |
| STP110N7F6 | 70 | 0 | | | | | TO-220 |
| STH240N75F3-2 | 75 | 0,003 | - | - | 180 | 87 | H2PAK-2 |
| STH240N75F3-6 | 75 | 0,003 | - | - | 180 | 87 | H2PAK-6 |
| STH245N75F3-6 | 75 | 0,003 | - | Yes | 180 | 87 | H2PAK-6 |
| STP160N75F3 | 75 | 0,004 | - | - | 120 | 85 | TO-220 |
| STP140NF75 | 75 | 0,0075 | - | - | 120 | 160 | TO-220 |
| STP75NF75FP | 75 | 0,011 | | | 40 | 117 | TO-220FP |
| STP76NF75 | 75 | 0,011 | | Yes | 80 | 117 | TO-220 |
| STP75NF75 | 75 | 0,013 | - | - | 75 | 110 | TO-220 |
| STL40N75LF3 | 75 | 0,019 | 0,022 | | 10 | 12 | PowerFLAT 5x6 |
| STB160N75F3 | 75 | 0,0037 | - | - | 120 | 85 | D2PAK |
| STB140NF75T4 | 75 | 0,0075 | - | - | 120 | 160 | D2PAK |
| STB75NF75LT4 | 75 | 0,011 | 0,013 | | 75 | 150 | D2PAK |
| STB75NF75T4 | 75 | 0,011 | | | 80 | 117 | D2PAK |
| STD45NF75T4 | 75 | 0,024 | - | Yes | 30 | 60 | DPAK |
| STB76NF75 | 75 | 0,011 | | Yes | 80 | 117 | D2PAK |
| STL35N75LF3 | 75 | 0,025 | | | 35 | 7,5 | PowerFLAT 3.3x3.3 |
| STH245N75F3-6 | 75 | 0,03 | 0 | | 180 | 87 | H2PAK-6 |
| STH270N8F7-2 | 80 | 0,0021 | - | - | 180 | 193 | H2PAK-2 |
| STH270N8F7-6 | 80 | 0,0021 | - | - | 180 | 193 | H2PAK-6 |
| STH275N8F7-2AG | 80 | 0,0021 | - | Yes | 180 | 193 | H2PAK-2 |
| STH275N8F7-6AG | 80 | 0,0021 | - | Yes | 180 | 193 | H2PAK-6 |
| STP270N8F7 | 80 | 0,0025 | - | - | 180 | 193 | TO-220 |
| STL130N8F7 | 80 | 0,0036 | - | - | 24 | 96 | PowerFLAT 5x6 |
| STL135N8F7AG | 80 | 0,0036 | | Yes | 130 | 96 | PowerFLAT 5x6 |
| STLD130N8F7 (*) | 80 | 0,0036 | | | 0 | 96 | PowerFLAT 5x6 |
| STH170N8F7-2 | 80 | 0,0037 | - | - | 120 | 120 | H2PAK-2 |
| STP170N8F7 | 80 | 0,0039 | - | - | 120 | 120 | TO-220 |
| STH140N8F7-2 | 80 | 0,004 | - | - | 90 | 96 | H2PAK-2 |
| STH145N8F7-2AG | 80 | 0,004 | - | Yes | 90 | 96 | H2PAK-2 |
| STF140N8F7 | 80 | 0,0043 | - | - | 64 | 96 | TO-220FP |
| STP140N8F7 | 80 | 0,0043 | | - | 90 | 96 | TO-220 |

Note: * coming soon

N-channel STRipFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------|----------------------|--|--|------------------|--------------------------|---------------------------|---------------------------------|
| STL120N8F7 | 80 | 0,0044 | - | - | 120 | 60 | PowerFLAT 5x6 |
| STH130N8F7-2 | 80 | 0,005 | 0 | - | 110 | 60 | H2PAK-2 |
| STP130N8F7 | 80 | 0,0058 | 0 | - | 80 | 60 | TO-220 |
| STL100N8F7 | 80 | 0,0061 | - | - | 100 | 47 | PowerFLAT 5x6 |
| STD110N8F6 | 80 | 0,0065 | - | - | 110 | 150 | DPAK |
| STP110N8F6 | 80 | 0,0065 | - | - | 110 | 150 | TO-220 |
| STH110N8F7-2 | 80 | 0,0066 | - | - | 110 | 47 | H2PAK-2 |
| STL100N8F7 | 80 | 0,007 | - | - | 110 | 47 | PowerFLAT 5x6 |
| STL75N8LF6 | 80 | 0,0074 | 0,0082 | - | 18 | 51 | PowerFLAT 5x6 |
| STP110N8F7 | 80 | 0,0075 | - | - | 80 | 47 | TO-220 |
| STP100N8F6 | 80 | 0,009 | - | - | 100 | 90 | TO-220 |
| STH310N10F7-2 | 100 | 0,0023 | - | - | 180 | 180 | H2PAK-2 |
| STH310N10F7-6 | 100 | 0,0023 | - | - | 180 | 180 | H2PAK-6 |
| STH315N10F7-2 | 100 | 0,0023 | - | Yes | 180 | 180 | H2PAK-2 |
| STH315N10F7-6 | 100 | 0,0023 | - | Yes | 180 | 180 | H2PAK-6 |
| STH240N10F7-2 | 100 | 0,0025 | - | - | 180 | 160 | H2PAK-2 |
| STH240N10F7-6 | 100 | 0,0025 | - | - | 180 | 160 | H2PAK-6 |
| STP310N10F7 | 100 | 0,0027 | - | - | 180 | 180 | TO-220 |
| STP315N10F7 | 100 | 0,0027 | - | Yes | 180 | 180 | TO-220 |
| STP240N10F7 | 100 | 0,0032 | - | - | 110 | 160 | TO-220 |
| STF150N10F7 | 100 | 0,0042 | - | - | 65 | 117 | TO-220FP |
| STI150N10F7 | 100 | 0,0042 | - | - | 110 | 117 | I2PAK |
| STP150N10F7 | 100 | 0,0042 | - | - | 110 | 117 | TO-220 |
| STH180N10F3-2 | 100 | 0,0045 | - | - | 180 | 114,6 | H2PAK-2 |
| STH185N10F3-2 | 100 | 0,0045 | - | Yes | 180 | 114,6 | H2PAK-2 |
| STH150N10F7-2 | 100 | 0,0045 | - | - | 90 | 92 | H2PAK-2 |
| STP180N10F3 | 100 | 0,0051 | - | - | 120 | 115 | TO-220 |
| STP165N10F4 | 100 | 0,0055 | - | - | 120 | 180 | TO-220 |
| STL110N10F7 | 100 | 0,006 | - | - | 100 | 72 | PowerFLAT 5x6 |
| STLD110N10F7 | 100 | 0,006 | - | - | 100 | 72 | PowerFLAT 5x6 dual side cooling |
| STH110N10F7-2 | 100 | 0,0065 | - | - | 110 | 72 | H2PAK-2 |
| STH110N10F7-6 | 100 | 0,0065 | - | - | 110 | 72 | H2PAK-6 |
| STF110N10F7 | 100 | 0,007 | - | - | 45 | 72 | TO-220FP |
| STP110N10F7 | 100 | 0,007 | - | - | 110 | 72 | TO-220 |
| STL100N10F7 | 100 | 0,0073 | - | - | 19 | 61 | PowerFLAT 5x6 |
| STL90N10F7 | 100 | 0,008 | - | - | 70 | 45 | PowerFLAT 5x6 |
| STD100N10F7 | 100 | 0,008 | - | - | 80 | 61 | DPAK |
| STD105N10F7AG | 100 | 0,008 | - | Yes | 80 | 61 | DPAK |
| STF100N10F7 | 100 | 0,008 | - | - | 45 | 61 | TO-220FP |
| STP100N10F7 | 100 | 0,008 | - | - | 80 | 61 | TO-220 |
| STB100N10F7 | 100 | 0,008 | - | - | 80 | 61 | D2PAK |
| STH80N10F7-2 | 100 | 0,0095 | - | - | 80 | 45 | H2PAK-2 |
| STF1130N10F3 | 100 | 0,0096 | - | - | 46 | 57 | I2PAKFP |
| STD80N10F7 | 100 | 0,01 | - | - | 70 | 45 | DPAK |
| STD85N10F7AG | 100 | 0,01 | - | - | 80 | 45 | DPAK |
| STF80N10F7 | 100 | 0,01 | - | - | 40 | 45 | TO-220FP |
| STP80N10F7 | 100 | 0,01 | - | - | 80 | 45 | TO-220 |
| STH80N10LF7-2AG | 100 | 0,01 | 0,016 | - | - | - | H2PAK-2 |
| STL80N10LF7AG | 100 | 0,01 | 0,016 | - | - | - | PowerFLAT 5x6 |
| STB120NF10T4 | 100 | 0,0105 | 0 | - | 120 | 172 | D2PAK |
| STP80NF10 | 100 | 0,014 | - | - | 80 | 140 | TO-220 |

Note: * coming soon

N-channel STRipFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------|----------------------|--|--|------------------|--------------------------|---------------------------|-----------------------------|
| STP80NF10FP | 100 | 0,015 | - | – | 38 | 140 | TO-220FP |
| STB80NF10T4 | 100 | 0,015 | - | – | 80 | 135 | D2PAK |
| STD45N10F7 | 100 | 0,016 | - | – | 45 | 22 | DPAK |
| STD47N10F7AG | 100 | 0,016 | - | Yes | 45 | 25 | DPAK |
| STI45N10F7 | 100 | 0,016 | - | – | 45 | 22 | I2PAK |
| STP45N10F7 | 100 | 0,016 | - | – | 45 | 22 | TO-220 |
| STL60N10F7 | 100 | 0,0165 | - | – | 12 | 25 | PowerFLAT 5x6 |
| STF45N10F7 | 100 | 0,018 | - | – | 30 | 25 | TO-220FP |
| STW70N10F4 | 100 | 0,0195 | - | – | 65 | 85 | TO-247 |
| STH52N10LF3-2AG | 100 | 0,02 | 0,026 | – | | | H2PAK-2 |
| STL8N10F7 | 100 | 0,02 | - | – | 35 | 25 | PowerFLAT 3.3x3.3 |
| STP60NF10 | 100 | 0,023 | - | – | 80 | 104 | TO-220 |
| STB60NF10 | 100 | 0,023 | - | – | 80 | 104 | D2PAK |
| STD30N10F7 | 100 | 0,024 | - | – | 35 | 19 | DPAK |
| STF30N10F7 | 100 | 0,024 | - | – | 35 | 19 | TO-220FP |
| STL40N10F7 | 100 | 0,024 | - | – | 10 | 14 | PowerFLAT 5x6 |
| STP30N10F7 | 100 | 0,024 | - | – | 35 | 18 | TO-220 |
| STD40NF10 | 100 | 0,028 | - | – | 50 | 46,5 | DPAK |
| STP40NF10 | 100 | 0,028 | - | – | 50 | 60 | TO-220 |
| STP40NF10L | 100 | 0,033 | 0,036 | – | 40 | 0 | TO-220 |
| STB40NF10LT4 | 100 | 0,033 | 0,036 | – | 40 | 0 | D2PAK |
| STL8N10LF3 | 100 | 0,035 | 0,05 | Yes | 7,8 | 20,5 | PowerFLAT 5x6 |
| STD25N10F7 | 100 | 0,035 | - | – | 25 | 13 | DPAK |
| STF25N10F7 | 100 | 0,035 | - | – | 25 | 13 | TO-220FP |
| STL30N10F7 | 100 | 0,035 | - | – | 8 | 14 | PowerFLAT 5x6 |
| STL7N10F7 | 100 | 0,035 | - | – | 7 | 14 | PowerFLAT 3.3x3.3 |
| STP25N10F7 | 100 | 0,035 | - | – | 25 | 13 | TO-220 |
| STU25N10F7 | 100 | 0,035 | - | – | 25 | 10 | IPAK |
| STD25NF10LA | 100 | 0,035 | 0,04 | Yes | 25 | 38 | DPAK |
| STD25NF10LT4 | 100 | 0,035 | 0,04 | – | 25 | 0 | DPAK |
| STL8DN10LF3 | 100 | 0,035 | 0,05 | Yes | 7,8 | 20,5 | PowerFLAT 5x6 double island |
| STD25NF10T4 | 100 | 0,038 | 0 | – | 25 | 55 | DPAK |
| STD26NF10T4 | 100 | 0,038 | - | Yes | 25 | 55 | DPAK |
| STD25NF10T4 | 100 | 0,038 | - | – | 25 | 55 | DPAK |
| STD20NF10 | 100 | 0,045 | - | – | 30 | 40 | DPAK |
| STB30NF10T4 | 100 | 0,045 | 0 | – | 35 | 40 | D2PAK |
| STP30NF10 | 100 | 0,052 | - | – | 30 | 40 | TO-220 |
| STB30NF10 | 100 | 0,052 | - | – | 30 | 40 | D2PAK |
| STP24NF10 | 100 | 0,06 | - | – | 26 | 30 | TO-220 |
| STD15NF10T4 | 100 | 0,065 | - | – | 23 | 30 | DPAK |
| STL3N10F7 | 100 | 0,07 | - | – | 4 | 7,8 | PowerFLAT 2x2 |
| STL4N10F7 | 100 | 0,07 | - | – | 4,5 | 7,8 | PowerFLAT 3.3x3.3 |
| STL20DN10F7 | 100 | 0,08 | - | – | 5 | 9 | PowerFLAT 5x6 double island |
| STL92N10F7AG | 100 | 0,085 | - | Yes | 70 | 45 | PowerFLAT 5x6 |
| STD100N10LF7AG | 100 | 0,089 | 0,0112 | – | | | DPAK |
| STD10NF10T4 | 100 | 0,13 | 0 | – | 13 | 15 | DPAK |
| STD6NF10T4 | 100 | 0,25 | 0 | – | 6 | 10 | DPAK |
| STU6NF10 | 100 | 0,25 | - | – | 6 | 10 | IPAK |
| STD6NF10 | 100 | 0,25 | - | – | 6 | 12 | DPAK |
| STN2NF10 | 100 | 0,26 | - | – | 2,4 | 10 | SOT-223 |
| STN1NF10 | 100 | 0,8 | - | – | 1 | 4 | SOT-223 |

Note: * coming soon

N-channel STRipFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------------|----------------------|--|--|------------------|--------------------------|---------------------------|---------------|
| STI100N10F7 | 100 | 80 | | | 80 | 60 | I2PAK |
| STL80N12F7 (*) | 120 | 0,0016 | | | | 35 | PowerFLAT 5x6 |
| STF200N12F7 (*) | 120 | 0,0043 | | | | 110 | TO-220FP |
| STP200N12F7 (*) | 120 | 0,0043 | | | | 110 | TO-220 |
| STH200N12F7-2 (*) | 120 | 0,0046 | | | | 110 | H2PAK-2 |
| STL100N12F7 (*) | 120 | 0,0075 | | | | 50 | PowerFLAT 5x6 |
| STH100N12F7-6 (*) | 120 | 0,008 | | | | 50 | H2PAK-6 |
| STH100N12F7-2 (*) | 120 | 0,008 | | | | 50 | H2PAK-2 |
| STF100N12F7 (*) | 120 | 0,0085 | | | | 50 | TO-220FP |
| STP100N12F7 (l) | 120 | 0,0085 | | | | 50 | TO-220 |
| STP80NF12 | 120 | 0,018 | - | - | 80 | 140 | TO-220 |
| STP40NF12 | 120 | 0,032 | - | - | 40 | 60 | TO-220 |
| STH180N15F7-2 | 150 | 0,0053 | | | | 125 | H2PAK-2 |
| STP110N15F7 | 150 | 0,0056 | | | | 125 | TO-220 |
| STP180N15F7 | 150 | 0,0056 | | | | 125 | TO-220 |
| STH110N15F7-2 | 150 | 0,0107 | | | | 70 | H2PAK-2 |
| STL80N15F7 | 150 | 0,0135 | | | | 53 | PowerFLAT 5x6 |
| STH90N15F7-2 | 150 | 0,0142 | | | | 53 | H2PAK-2 |
| STF90N15F7 | 150 | 0,0145 | | | | 53 | TO-220 |
| STP90N15F7 | 150 | 0,0145 | | | | 53 | TO-220 |
| STS5N15F4 | 150 | 0,063 | - | - | 5 | 48 | SO-8 |
| STD5N20LT4 | 200 | 0 | 0,7 | | 5 | 0 | DPAK |
| STP75NF20 | 200 | 0,034 | - | - | 75 | 84 | TO-220 |
| STW75NF20 | 200 | 0,034 | - | - | 75 | 84 | TO-247 |
| STF40NF20 | 200 | 0,045 | - | - | 40 | 75 | TO-220FP |
| STP40NF20 | 200 | 0,045 | - | - | 40 | 75 | TO-220 |
| STW40NF20 | 200 | 0,045 | - | - | 40 | 75 | TO-247 |
| STP30NF20 | 200 | 0,075 | - | - | 30 | 38 | TO-220 |
| STD20NF20 | 200 | 0,125 | - | - | 18 | 28 | DPAK |
| STD25NF20 | 200 | 0,125 | - | Yes | 18 | 28 | DPAK |
| STF20NF20 | 200 | 0,125 | - | - | 18 | 28 | TO-220FP |
| STP20NF20 | 200 | 0,125 | - | - | 18 | 28 | TO-220 |
| STF19NF20 | 200 | 0,16 | - | - | 11 | 24 | TO-220FP |
| STP19NF20 | 200 | 0,16 | - | - | 11 | 24 | TO-220 |
| IRF630 | 200 | 0,4 | - | - | 9 | 31 | TO-220 |
| STN1NF20 | 200 | 1,5 | - | - | 1 | 5,7 | SOT-223 |
| STN4NF20L | 200 | 1,5 | - | - | 1 | 0,9 | SOT-223 |
| STB80N20M5 | 200 | 0,023 | - | - | 61 | 104 | D2PAK |
| STB75NF20 | 200 | 0,034 | - | - | 75 | 84 | D2PAK |
| STB40NF20 | 200 | 0,045 | - | - | 40 | 75 | D2PAK |
| STB30NF20 | 200 | 0,075 | - | - | 30 | 38 | D2PAK |
| STB30NF20L | 200 | 0,075 | - | Yes | 30 | 65 | D2PAK |
| STP50NF25 | 250 | 0,069 | - | - | 45 | 68 | TO-220 |
| STB18NF25 | 250 | 0,165 | - | Yes | 17 | 29,5 | D2PAK |
| STD17NF25 | 250 | 0,165 | - | - | 17 | 30 | DPAK |
| STD18NF25 | 250 | 0,165 | - | Yes | 17 | 29,5 | DPAK |
| STF17NF25 | 250 | 0,165 | 0 | | 17 | 29,5 | TO-220FP |
| STP17NF25 | 250 | 0,165 | 0 | | 17 | 29,5 | TO-220 |
| STD16NF25 | 250 | 0,235 | - | - | 14 | 18 | DPAK |
| STF16NF25 | 250 | 0,235 | - | - | 14 | 18 | TO-220FP |
| STD8NF25 | 250 | 0,42 | - | Yes | 8 | 16 | DPAK |

Note: * coming soon

N-channel STripFET F7 series > 30 V to 350 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | R _{DS(on)} (max) @ V _{GS} 4.5V or 5V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------|----------------------|--|--|------------------|--------------------------|---------------------------|---------|
| STU7NF25 | 250 | 0,42 | - | - | 8 | 16 | IPAK |
| STB46N30M5 | 300 | 0,04 | - | Yes | 53 | 95 | D2PAK |
| STW75NF30 | 300 | 0,045 | - | Yes | 60 | 164 | TO-247 |
| STB46NF30 | 300 | 0,075 | - | Yes | 45 | 84 | D2PAK |
| STP46NF30 | 300 | 0,075 | - | Yes | 45 | 84 | TO-220 |
| STW46NF30 | 300 | 0,075 | - | Yes | 45 | 84 | TO-247 |
| STD10NF30 | 300 | 0,33 | - | Yes | 10 | 23 | DPAK |
| STB18NF30 | 330 | 0,18 | - | Yes | 18 | 44 | D2PAK |

Note: * coming soon

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|---------------------------------|----------------------|--|------------------|--------------------------|---------------------------|------------------|
| STB46N30M5 | 300 | 0,04 | Yes | 53 | 95 | D2PAK |
| STB46NF30 | 300 | 0,075 | Yes | 45 | 85 | D2PAK |
| STP46NF30 | 300 | 0,075 | Yes | 45 | 85 | TO-220 |
| STB46NF30 | 300 | 0,075 | Yes | 45 | 85 | D2PAK |
| STW46NF30 | 300 | 0,075 | Yes | 45 | 85 | TO-247 |
| STB18NF30 | 300 | 0,18 | | 18 | 44 | D2PAK |
| STD10NF30 | 300 | 0,33 | Yes | 10 | 23 | DPAK |
| STW75NF30AG (*) | 300 | 0,045 | Yes | 60 | 180 | TO-247 |
| STW74NF30 (*) | 300 | 0,045 | Yes | 60 | 180 | TO-247 |
| STB45N40DM2AG | 400 | 0,072 | Yes | 38 | 56 | D2PAK |
| STP45N40DM2AG | 400 | 0,072 | Yes | 38 | 56 | TO-220 |
| STD7NK40ZT4 | 400 | 1 | – | 6 | 20 | DPAK |
| STD5NK40ZT4 | 400 | 1,8 | – | 4 | 12 | DPAK |
| STD5NK40Z-1 | 400 | 1,8 | – | 4 | 12 | IPAK |
| STD3N40K3 | 400 | 3,4 | – | 2 | 11 | DPAK |
| STN3N40K3 | 400 | 3,4 | – | 1,8 | 11 | SOT-223 |
| STL3NK40 | 400 | 5,5 | – | 0,43 | 8,7 | PowerFLAT 5X5 HV |
| STN3N45K3 | 450 | 3,8 | – | 0,6 | 6 | SOT-223 |
| STU3N45K3 | 450 | 3,8 | – | 1,8 | 6 | IPAK |
| STY105NM50N | 500 | 0,022 | – | 110 | 326 | Max247 |
| STE53NC50 | 500 | 0,08 | – | 53 | 310 | ISOTOP |
| STB45N50DM2AG | 500 | 0,084 | Yes | 34 | 57 | D2PAK |
| STB34N50DM2AG | 500 | 0,12 | Yes | 26 | 44 | D2PAK |
| STB23NM50N | 500 | 0,19 | – | 17 | 45 | D2PAK |
| STF23NM50N | 500 | 0,19 | – | 17 | 45 | TO-220FP |
| STW23NM50N | 500 | 0,19 | – | 17 | 45 | TO-247 |
| STP23NM50N | 500 | 0,19 | – | 17 | 45 | TO-220 |
| STP19NM50N | 500 | 0,25 | – | 14 | 34 | TO-220 |
| STF19NM50N | 500 | 0,25 | – | 14 | 34 | TO-220FP |
| STB21NK50Z | 500 | 0,27 | Yes | 17 | 85 | D2PAK |
| STD16N50M2 | 500 | 0,28 | – | 13 | 19,5 | DPAK |
| STF16N50M2 | 500 | 0,28 | – | 13 | 19,5 | TO-220FP |
| STP16N50M2 | 500 | 0,28 | – | 13 | 19,5 | TO-220 |
| STD13NM50N | 500 | 0,32 | – | 12 | 27 | DPAK |
| STD12N50DM2 | 500 | 0,35 | – | 11 | 16 | DPAK |
| STF12N50DM2 | 500 | 0,35 | – | 11 | 16 | TO-220FP |
| STD12N50M2 | 500 | 0,38 | – | 10 | 15 | DPAK |
| STF12N50M2 | 500 | 0,38 | – | 10 | 15 | TO-220FP |
| STP12N50M2 | 500 | 0,38 | – | 10 | 15 | TO-220 |
| STD11N50DM2 | 500 | 0,53 | – | 8 | | DPAK |
| STD11N50M2 | 500 | 0,53 | – | 8 | 12 | DPAK |
| STF11N50M2 | 500 | 0,53 | – | 8 | 12 | TO-220FP |
| STD8NM50N | 500 | 0,79 | – | 5 | 14 | DPAK |
| STD9NM50N | 500 | 0,79 | Yes | 5 | 14 | DPAK |
| STF8NM50N | 500 | 0,79 | – | 5 | 14 | TO-220FP |
| STP8NM50N | 500 | 0,79 | – | 5 | 14 | TO-220 |
| STD14NM50NAG (*) | 500 | 0,32 | Yes | 12 | 27 | DPAK |
| STD15N50M2AG (*) | 500 | 0,38 | Yes | 10 | 15 | DPAK |
| STD11N50DM2 (*) | 500 | 0,53 | – | 8 | | DPAK |
| STD5N52U | 525 | 0,06 | – | 4,4 | 16,9 | DPAK |
| STD7N52K3 | 525 | 0,85 | – | 6 | 33 | DPAK |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|------------------------------------|----------------------|---|---------------------|--------------------------|---------------------------|-------------------|
| STD6N52K3 | 525 | 1,2 | – | 5 | – | DPAK |
| STD5N52K3 | 525 | 1,5 | – | 4,4 | 17 | DPAK |
| STU5N52K3 | 525 | 1,5 | – | 4,4 | 17 | IPAK |
| STD5N52U | 525 | 1,5 | – | 4,4 | 17 | DPAK |
| STD4N52K3 | 525 | 2,6 | – | 2,5 | 11 | DPAK |
| STP36N55M5 | 550 | 0,08 | – | 33 | 72 | TO-220 |
| STL36N55M5 | 550 | 0,09 | – | 22,5 | 67 | PowerFLAT 8x8 HV |
| STD18N55M5 | 550 | 0,192 | – | 16 | 31 | DPAK |
| STY100NM60N | 600 | 0,029 | – | 98 | 330 | Max247 |
| STW75N60M6 (*) | 600 | 0,035 | – | | | TO-247 |
| STWA75N60M6 (*) | 600 | 0,035 | – | | | TO-247 long leads |
| STW75N60M6-4 (*) | 600 | 0,035 | – | | | TO247-4 |
| STW70N60M2 | 600 | 0,04 | – | 68 | 130 | TO-247 |
| STW68N60M6-4 (*) | 600 | 0,041 | – | | | TO247-4 |
| STW68N60M6 (*) | 600 | 0,041 | – | | | TO-247 |
| STWA68N60M6 (*) | 600 | 0,041 | – | | | TO-247 long leads |
| STW72N60DM2AG | 600 | 0,042 | Yes | 66 | 121 | TO-247 |
| STW70N60DM2 | 600 | 0,042 | – | 68 | 121 | TO-247 |
| STW56N60M2 | 600 | 0,055 | – | 52 | 91 | TO-247 |
| STW56N60M2-4 | 600 | 0,055 | – | 52 | 91 | TO247-4 |
| STWA58N60DM2AG (*) | 600 | 0,06 | Yes | 50 | 110 | TO-247 long leads |
| STW58N60DM2AG | 600 | 0,06 | Yes | 50 | 90 | TO-247 |
| STW56N60DM2 | 600 | 0,06 | – | 50 | 110 | TO-247 |
| STW58N60DM2AG | 600 | 0,06 | Yes | 50 | 110 | TO-247 |
| STW48N60M6 (*) | 600 | 0,069 | – | | | TO-247 |
| STW48N60M6-4 (*) | 600 | 0,069 | – | | | TO247-4 |
| STWA48N60M6 (*) | 600 | 0,069 | – | | | TO-247 long leads |
| STW48N60M2 | 600 | 0,07 | – | 42 | 70 | TO-247 |
| STW48N60M2-4 | 600 | 0,07 | – | 42 | 70 | TO247-4 |
| STWA48N60M2 | 600 | 0,07 | – | 42 | 70 | TO-247 long leads |
| STB42N60M2-EP | 600 | 0,087 | – | 34 | 55 | D2PAK |
| STF42N60M2-EP | 600 | 0,087 | – | 34 | 55 | TO-220FP |
| STFW42N60M2-EP | 600 | 0,087 | – | 34 | 55 | TO-3PF |
| STP42N60M2-EP | 600 | 0,087 | – | 34 | 55 | TO-220 |
| STW42N60M2-EP | 600 | 0,087 | – | 34 | 55 | TO-247 |
| STB40N60M2 | 600 | 0,088 | – | 34 | 57 | D2PAK |
| STF40N60M2 | 600 | 0,088 | – | 34 | 57 | TO-220FP |
| STFI40N60M2 | 600 | 0,088 | – | 34 | 57 | I2PAKFP |
| STFW40N60M2 | 600 | 0,088 | – | 34 | 57 | TO-3PF |
| STP40N60M2 | 600 | 0,088 | – | 34 | 57 | TO-220 |
| STW40N60M2 | 600 | 0,088 | – | 34 | 57 | TO-247 |
| STW40N60M2-4 | 600 | 0,088 | – | 34 | 57 | TO247-4 |
| STWA40N60M2 | 600 | 0,088 | – | 34 | 57 | TO-247 long leads |
| STW47NM60ND | 600 | 0,088 | Yes | 35 | 120 | TO-247 |
| STWA45N60DM2AG (*) | 600 | 0,093 | Yes | 34 | 56 | TO-247 long leads |
| STB45N60DM2AG | 600 | 0,093 | Yes | 34 | 56 | D2PAK |
| STB43N60DM2 | 600 | 0,093 | Yes | 34 | 56 | D2PAK |
| STP45N60DM2AG | 600 | 0,093 | Yes | 34 | 56 | TO-220 |
| STW45N60DM2AG | 600 | 0,093 | Yes | 34 | 56 | TO-247 |
| STF43N60DM2 | 600 | 0,093 | – | 34 | 56 | TO-220FP |
| STP43N60DM2 | 600 | 0,093 | – | 34 | 56 | TO-220 |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------------|----------------------|--|------------------|--------------------------|---------------------------|-------------------|
| STW43N60DM2 | 600 | 0,093 | – | 34 | 56 | TO-247 |
| STB36N60M6 (*) | 600 | 0,099 | – | 30 | 48 | D2PAK |
| STW36N60M6-4 (*) | 600 | 0,099 | – | 30 | 48 | TO247-4 |
| STW36N60M6 (*) | 600 | 0,099 | – | 30 | 48 | TO-247 |
| STF36N60M6 | 600 | 0,099 | – | 30 | 48 | TO-220FP |
| STP36N60M6 (*) | 600 | 0,099 | – | 30 | 48 | TO-220 |
| STB34NM60N | 600 | 0,105 | – | 29 | 85 | D2PAK |
| STB36NM60N | 600 | 0,105 | Yes | 29 | 83,6 | D2PAK |
| STP34NM60N | 600 | 0,105 | – | 31,5 | 84 | TO-220 |
| STW34NM60N | 600 | 0,105 | – | 31,5 | 84 | TO-247 |
| STW36NM60N | 600 | 0,105 | Yes | 29 | 85 | TO-247 |
| STB34NM60ND | 600 | 0,11 | – | 29 | 80,4 | D2PAK |
| STF34NM60ND | 600 | 0,11 | – | 29 | 80,4 | TO-220FP |
| STP34NM60ND | 600 | 0,11 | – | 29 | 80,4 | TO-220 |
| STW34NM60ND | 600 | 0,11 | – | 29 | 80,4 | TO-247 |
| STL36N60M6 (*) | 600 | 0,11 | – | 25 | 48 | PowerFLAT 8x8 HV |
| STB36NM60ND | 600 | 0,11 | Yes | 29 | 80,4 | D2PAK |
| STW36NM60ND | 600 | 0,11 | Yes | 29 | 80,4 | TO-247 |
| STWA37N60DM2AG (*) | 600 | 0,11 | Yes | 28 | 54 | TO-247 long leads |
| STB35N60DM2 | 600 | 0,11 | – | 28 | 54 | D2PAK |
| STB37N60DM2AG | 600 | 0,11 | Yes | 28 | 54 | D2PAK |
| STF35N60DM2 | 600 | 0,11 | – | 28 | 54 | TO-220FP |
| STP35N60DM2 | 600 | 0,11 | – | 28 | 54 | TO-220 |
| STW35N60DM2 | 600 | 0,11 | – | 28 | 54 | TO-247 |
| STW37N60DM2AG | 600 | 0,11 | Yes | 28 | 54 | TO-247 |
| STP33N60M6 (*) | 600 | 0,125 | – | | | TO-220 |
| STW33N60M6 (*) | 600 | 0,125 | – | | | TO-247 |
| STF33N60M6 (*) | 600 | 0,125 | – | | | TO-220FP |
| STB33N60M2 | 600 | 0,125 | – | 26 | 45,5 | D2PAK |
| STF33N60M2 | 600 | 0,125 | – | 26 | 45,5 | TO-220FP |
| STI33N60M2 | 600 | 0,125 | – | 26 | 45,5 | I2PAK |
| STP33N60M2 | 600 | 0,125 | – | 26 | 45,5 | TO-220 |
| STW33N60M2 | 600 | 0,125 | – | 26 | 45,5 | TO-247 |
| STF33N60DM2 | 600 | 0,13 | – | 24 | 80 | TO-220FP |
| STE40NC60 | 600 | 0,13 | – | 40 | 307,5 | ISOTOP |
| STP33N60DM2 | 600 | 0,13 | – | | | TO-220FP |
| STB33N60DM2 | 600 | 0,13 | – | 24 | 80 | D2PAK |
| STL33N60M6 (*) | 600 | 0,135 | – | | | PowerFLAT 8x8 HV |
| STL33N60M2 | 600 | 0,135 | – | 22 | 45,5 | PowerFLAT 8x8 HV |
| STL33N60DM2 | 600 | 0,14 | – | | | PowerFLAT 8x8 HV |
| STB28N60M2 | 600 | 0,15 | – | 22 | 36 | D2PAK |
| STF28N60M2 | 600 | 0,15 | – | 22 | 36 | TO-220FP |
| STFI28N60M2 | 600 | 0,15 | – | 22 | 36 | I2PAKFP |
| STP28N60M2 | 600 | 0,15 | – | 22 | 36 | TO-220 |
| STW28N60M2 | 600 | 0,15 | – | 22 | 36 | TO-247 |
| STW28N60DM2 | 600 | 0,16 | – | | 34 | TO-247 |
| STB28N60DM2 | 600 | 0,16 | – | | 34 | D2PAK |
| STP28N60DM2 | 600 | 0,16 | – | | 34 | TO-220 |
| STF28N60DM2 | 600 | 0,16 | – | | 34 | TO-220FP |
| STB28N60DM2 | 600 | 0,16 | – | 22 | 34 | D2PAK |
| STP28N60DM2 | 600 | 0,16 | – | 22 | 34 | TO-220 |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------|----------------------|--|------------------|--------------------------|---------------------------|-----------------------------|
| STW28N60DM2 | 600 | 0,16 | – | 22 | 34 | TO-247 |
| STF28N60DM2 | 600 | 0,16 | – | 22 | 34 | TO-220FP |
| STW33N60DM2 | 600 | 0,16 | – | | 34 | TO-220 |
| STB27NM60ND | 600 | 0,16 | Yes | 21 | 80 | D2PAK |
| STL28N60M2 | 600 | 0,161 | – | | 36 | PowerFLAT 8x8 HV |
| STF27N60M2-EP | 600 | 0,163 | – | 20 | 33 | TO-220FP |
| STP27N60M2-EP | 600 | 0,163 | – | 20 | 33 | TO-220 |
| STW27N60M2-EP | 600 | 0,163 | – | 20 | 33 | TO-247 |
| STF26N60M2 | 600 | 0,165 | – | 20 | 34 | TO-220FP |
| STFI26N60M2 | 600 | 0,165 | – | 20 | 34 | I2PAKFP |
| STP26N60M2 | 600 | 0,165 | – | 20 | 34 | TO-220 |
| STW26N60M2 | 600 | 0,165 | – | 20 | 34 | TO-247 |
| STP26N60M6 | 600 | 0,168 | – | | | TO-220 |
| STF26N60M6 | 600 | 0,168 | – | | | TO-220FP |
| STW26N60M6 | 600 | 0,168 | – | | | TO-247 |
| STL28N60DM2 | 600 | 0,175 | – | | 34 | PowerFLAT 8x8 HV |
| STL28N60DM2 | 600 | 0,175 | – | 21 | 34 | PowerFLAT 8x8 HV |
| STB24N60M6 (*) | 600 | 0,19 | – | | | D2PAK |
| STI24N60M6 (*) | 600 | 0,19 | – | | | I2PAK |
| STF24N60M6 (*) | 600 | 0,19 | – | | | TO-220FP |
| STW24N60M6 (*) | 600 | 0,19 | – | | | TO-247 |
| STP24N60M6 (*) | 600 | 0,19 | – | | | TO-220 |
| STF25N60M2-EP | 600 | 0,19 | – | 18 | 29 | DPAK |
| STP25N60M2-EP | 600 | 0,19 | – | 18 | 29 | DPAK |
| STW25N60M2-EP | 600 | 0,19 | – | 18 | 29 | TO-247 |
| STB24N60M2 | 600 | 0,19 | – | 18 | 29 | D2PAK |
| STF24N60M2 | 600 | 0,19 | – | 18 | 29 | TO-220FP |
| STFI24N60M2 | 600 | 0,19 | – | 18 | 29 | I2PAKFP |
| STFU24N60M2 | 600 | 0,19 | – | 18 | 29 | TO-220FP ultra narrow leads |
| STFW24N60M2 | 600 | 0,19 | – | 18 | 29 | TO-3PF |
| STI24N60M2 | 600 | 0,19 | – | 18 | 29 | I2PAK |
| STP24N60M2 | 600 | 0,19 | – | 18 | 29 | TO-220 |
| STW24N60M2 | 600 | 0,19 | – | 18 | 29 | TO-247 |
| STB24N60DM2 | 600 | 0,2 | – | 18 | 29 | D2PAK |
| STP24N60DM2 | 600 | 0,2 | – | | | TO-220 |
| STB24N60DM2 | 600 | 0,2 | – | | | D2PAK |
| STF24N60DM2 | 600 | 0,2 | – | | | TO-220FP |
| STW24N60DM2 | 600 | 0,2 | – | | | TO-247 |
| STF24N60DM2 | 600 | 0,2 | – | 18 | 29 | TO-220FP |
| STP24N60DM2 | 600 | 0,2 | – | 18 | 29 | TO-220 |
| STW24N60DM2 | 600 | 0,2 | – | 18 | 29 | TO-247 |
| STL25N60M2-EP | 600 | 0,205 | – | 16 | 29 | PowerFLAT 8x8 HV |
| STL24N60M6 (*) | 600 | 0,21 | – | | | PowerFLAT 8x8 HV |
| STL24N60M2 | 600 | 0,21 | – | 18 | 29 | PowerFLAT 8x8 HV |
| STL24N60DM2 (*) | 600 | 0,22 | – | | | PowerFLAT 8x8 HV |
| STB22N60M6 (*) | 600 | 0,23 | – | – | 20 | D2PAK |
| STP22N60M6 (*) | 600 | 0,23 | – | – | 20 | TO-220 |
| STF22N60M6 (*) | 600 | 0,23 | – | – | 20 | TO-220FP |
| STB20N60M2-EP | 600 | 0,278 | – | 13 | 22 | D2PAK |
| STF20N60M2-EP | 600 | 0,278 | – | 13 | 22 | TO-220FP |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------|----------------------|--|------------------|--------------------------|---------------------------|-----------------------------|
| STI20N60M2-EP | 600 | 0,278 | – | 13 | 22 | TO-220 |
| STP20N60M2-EP | 600 | 0,278 | – | 13 | 22 | TO-220 |
| STW20N60M2-EP | 600 | 0,278 | – | 13 | 22 | TO-247 |
| STF18N60M6 (*) | 600 | 0,28 | – | | | TO-220FP |
| STP18N60M6 (*) | 600 | 0,28 | – | | | TO-220 |
| STD18N60M6 (*) | 600 | 0,28 | – | | | DPAK |
| STI18N60M6 (*) | 600 | 0,28 | – | | | I2PAK |
| STB18N60M6 (*) | 600 | 0,28 | – | | | D2PAK |
| STB18N60M2 | 600 | 0,28 | – | 13 | 21,5 | D2PAK |
| STF18N60M2 | 600 | 0,28 | – | 13 | 21,5 | TO-220FP |
| STP18N60M2 | 600 | 0,28 | – | 13 | 21,5 | TO-220 |
| STW18N60M2 | 600 | 0,28 | – | 13 | 21,5 | TO-247 |
| STF18NM60N | 600 | 0,285 | – | 13 | 35 | TO-220FP |
| STP18NM60N | 600 | 0,285 | – | 13 | 35 | TO-220 |
| STW19NM60N | 600 | 0,285 | Yes | 13 | 35 | TO-247 |
| STB18N60DM2 | 600 | 0,295 | – | 12 | 20 | D2PAK |
| STB18N60DM2 | 600 | 0,295 | – | | | D2PAK |
| STW18N60DM2 | 600 | 0,295 | – | | | TO-247 |
| STP18N60DM2 | 600 | 0,295 | – | | | TO-220 |
| STP18N60DM2 | 600 | 0,295 | – | 12 | 20 | TO-220 |
| STW18N60DM2 | 600 | 0,295 | – | 12 | 20 | TO-247 |
| STF18N60DM2 | 600 | 0,295 | – | 12 | 20 | TO-220FP |
| STL18N60M2 | 600 | 0,308 | – | 9 | 21,5 | PowerFLAT 5x6 HV |
| STFU18N60M2 | 600 | 0,308 | – | 9 | 21,5 | TO-220FP ultra narrow leads |
| STL18N60M6 (*) | 600 | 0,31 | – | | | PowerFLAT 5x6 HV |
| STL18NM60N | 600 | 0,31 | – | 12 | 35 | PowerFLAT 8x8 HV |
| STW16N60M6 (*) | 600 | 0,32 | – | 12 | 18 | TO-247 |
| STD16N60M6 | 600 | 0,32 | – | 12 | 18 | DPAK |
| STP16N60M6 (*) | 600 | 0,32 | – | 12 | 18 | TO-220 |
| STF16N60M6 (*) | 600 | 0,32 | – | 12 | 18 | TO-220FP |
| STL19N60DM2 | 600 | 0,32 | – | | | PowerFLAT 8x8 HV |
| STL19N60DM2 | 600 | 0,32 | – | 11 | 20 | PowerFLAT 8x8 HV |
| STD16N60M2 | 600 | 0,32 | – | 12 | 19 | DPAK |
| STF16N60M2 | 600 | 0,32 | – | 12 | 19 | TO-220FP |
| STP16N60M2 | 600 | 0,32 | – | 12 | 19 | TO-220 |
| STU16N60M2 | 600 | 0,32 | – | 12 | 18 | IPAK |
| STF16N60M6 (*) | 600 | 0,32 | – | 12 | 18 | I2PAKFP |
| STL16N60M6 (*) | 600 | 0,35 | – | 8 | 18 | PowerFLAT 5x6 HV |
| STL16N60M2 | 600 | 0,355 | – | 8 | 19 | PowerFLAT 5x6 HV |
| STP13NM60N | 600 | 0,36 | – | 11 | 30 | TO-220 |
| STD13N60DM2 (*) | 600 | 0,365 | – | 8,5 | 13 | DPAK |
| STF13N60DM2 (*) | 600 | 0,365 | – | 8,5 | 13 | TO-220FP |
| STD13N60DM2 (*) | 600 | 0,365 | – | 12 | 20 | DPAK |
| STD15N60M2-EP | 600 | 0,378 | – | 11 | 17 | DPAK |
| STF15N60M2-EP | 600 | 0,378 | – | 11 | 17 | TO-220FP |
| STF115N60M2-EP | 600 | 0,378 | – | 11 | 17 | I2PAKFP |
| STP15N60M2-EP | 600 | 0,378 | – | 11 | 17 | TO-220 |
| STD13NM60ND | 600 | 0,38 | – | 11 | 24,5 | DPAK |
| STF13NM60ND | 600 | 0,38 | – | 11 | 24,5 | TO-220FP |
| STB13N60M2 | 600 | 0,38 | – | 11 | 17 | D2PAK |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------|----------------------|--|------------------|--------------------------|---------------------------|-----------------------------|
| STD13N60M2 | 600 | 0,38 | – | 11 | 17 | DPAK |
| STF13N60M2 | 600 | 0,38 | – | 11 | 17 | TO-220FP |
| STP13N60M2 | 600 | 0,38 | – | 11 | 17 | TO-220 |
| STU13N60M2 | 600 | 0,38 | – | 11 | 17 | IPAK |
| STW13N60M2 | 600 | 0,38 | – | 11 | 17 | TO-247 |
| STF113N60M2 | 600 | 0,38 | – | 11 | 17 | TO-220FP ultra narrow leads |
| STL13N60DM2 (*) | 600 | 0,38 | – | 8,5 | 20 | PowerFLAT 5x6 HV |
| STL15N60M2-EP | 600 | 0,418 | – | 7 | 17 | PowerFLAT 5x6 HV |
| STL13N60M2 | 600 | 0,42 | – | 7 | 16 | PowerFLAT 5x6 HV |
| STP11N60DM2 (*) | 600 | 0,42 | – | 11 | 16 | TO-220 |
| STF11N60DM2 (*) | 600 | 0,42 | – | 11 | 16 | TO-220FP |
| STD11N60DM2 (*) | 600 | 0,42 | – | 11 | 16 | DPAK |
| STD12N60M2 | 600 | 0,45 | – | 9 | 16 | DPAK |
| STF12N60M2 | 600 | 0,45 | – | 9 | 16 | TO-220FP |
| STF112N60M2 | 600 | 0,45 | – | 9 | 16 | I2PAKFP |
| STP12N60M2 | 600 | 0,45 | – | 9 | 16 | TO-220 |
| STU12N60M2 | 600 | 0,45 | – | 9 | 16 | IPAK |
| STL12N60M2 | 600 | 0,495 | – | 6,5 | 16 | PowerFLAT 5x6 HV |
| STF10N60DM2 (*) | 600 | 0,53 | – | 8,5 | 14 | TO-220FP |
| STD10N60DM2 (*) | 600 | 0,53 | – | 8,5 | 14 | DPAK |
| STD11N60M2-EP | 600 | 0,595 | – | 7,5 | 12 | DPAK |
| STF11N60M2-EP | 600 | 0,595 | – | 7,5 | 12 | TO-220FP |
| STF111N60M2-EP | 600 | 0,595 | – | 7,5 | 12 | I2PAKFP |
| STD10NM60ND | 600 | 0,6 | – | 8 | 20 | DPAK |
| STF10NM60ND | 600 | 0,6 | – | 8 | 20 | TO-220FP |
| STB10N60M2 | 600 | 0,6 | – | 7,5 | 13,5 | D2PAK |
| STF10N60M2 | 600 | 0,6 | – | 7,5 | 13,5 | TO-220FP |
| STP10N60M2 | 600 | 0,6 | – | 7,5 | 13,5 | TO-220 |
| STU10N60M2 | 600 | 0,6 | – | 7,5 | 13,5 | IPAK |
| STF8N60DM2 (*) | 600 | 0,6 | – | 8 | 13,5 | TO-220FP |
| STD8N60DM2 (*) | 600 | 0,6 | – | 8 | 13,5 | DPAK |
| STF8N60DM2 (*) | 600 | 0,600 | – | 8 | 13,5 | TO-220FP |
| STD8N60DM2 (*) | 600 | 0,600 | – | 8 | 13,5 | DPAK |
| STL11N60M2-EP | 600 | 0,652 | – | 4 | 12 | PowerFLAT 5X5 HV |
| STL10N60M2 | 600 | 0,66 | – | 5,5 | 13,5 | PowerFLAT 5x6 HV |
| STD9N60M2 | 600 | 0,78 | – | 5,5 | 10 | DPAK |
| STF9N60M2 | 600 | 0,78 | – | 5,5 | 10 | TO-220FP |
| STP9N60M2 | 600 | 0,78 | – | 5,5 | 10 | TO-220 |
| STU9N60M2 | 600 | 0,78 | – | 5,5 | 10 | IPAK |
| STL9N60M2 | 600 | 0,86 | – | 4,8 | 10 | PowerFLAT 5x6 HV |
| STD7NM60N | 600 | 0,9 | – | 5 | 14 | DPAK |
| STU7NM60N | 600 | 0,9 | – | 5 | 14 | IPAK |
| STD10N60M2 | 600 | 0,95 | – | 5 | 8,8 | TO-220FP |
| STD7N60M2 | 600 | 0,95 | – | 5 | 8,8 | DPAK |
| STF7N60M2 | 600 | 0,95 | – | 5 | 8,8 | TO-220FP |
| STP7N60M2 | 600 | 0,95 | – | 5 | 8,8 | TO-220 |
| STU7N60M2 | 600 | 0,95 | – | 5 | 8,8 | IPAK |
| STL7N60M2 | 600 | 1,05 | – | 5 | 8,8 | PowerFLAT 5X5 HV |
| STB6N60M2 | 600 | 1,2 | – | 4,5 | 8 | D2PAK |
| STD6N60M2 | 600 | 1,2 | – | 4,5 | 8 | DPAK |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-----------------|----------------------|---|---------------------|--------------------------|---------------------------|------------------------|
| STF6N60M2 | 600 | 1,2 | – | 4,5 | 8 | TO-220FP |
| STP6N60M2 | 600 | 1,2 | – | 4,5 | 8 | TO-220 |
| STU6N60M2 | 600 | 1,2 | – | 4,5 | 8 | IPAK |
| STD5N60M2 | 600 | 1,4 | – | 3,7 | 4,5 | DPAK |
| STF5N60M2 | 600 | 1,4 | – | 3,7 | 4,5 | TO-220FP |
| STP5N60M2 | 600 | 1,4 | – | 3,7 | 4,5 | TO-220 |
| STU5N60M2 | 600 | 1,4 | – | 3,7 | 4,5 | IPAK |
| STD5N60DM2 (*) | 600 | 1,55 | – | 3,5 | 8,6 | DPAK |
| STD3NM60N | 600 | 1,8 | – | 3,3 | 9,5 | DPAK |
| STL3NM60N | 600 | 1,8 | – | 2,2 | 9,5 | PowerFLAT 3.3 X 3.3 HV |
| STD2LN60K3 | 600 | 4,5 | – | 2 | 12 | DPAK |
| STQ2LN60K3-AP | 600 | 4,5 | – | 2 | 9 | TO-92 |
| STF17N62K3 | 620 | 0,34 | – | 15,5 | 105 | TO-220FP |
| STF10N62K3 | 620 | 0,75 | – | 8,4 | 42 | TO-220FP |
| STF110N62K3 | 620 | 0,75 | – | 8,4 | 42 | I2PAKFP |
| STD6N62K3 | 620 | 1,2 | – | 5,5 | 34 | DPAK |
| STF6N62K3 | 620 | 1,2 | – | 5,5 | 34 | TO-220FP |
| STP6N62K3 | 620 | 1,2 | – | 5,5 | 34 | TO-220 |
| STU6N62K3 | 620 | 1,2 | – | 5,5 | 34 | IPAK |
| STD5N62K3 | 620 | 1,6 | – | 4,2 | 26 | DPAK |
| STD4N62K3 | 620 | 2 | – | 3,8 | 22 | DPAK |
| STF4N62K3 | 620 | 2 | – | 3,8 | 22 | TO-220FP |
| STU4N62K3 | 620 | 2 | – | 3,8 | 22 | IPAK |
| STD3N62K3 | 620 | 2,5 | – | 2,7 | 13 | DPAK |
| STF3N62K3 | 620 | 2,5 | – | 2,7 | 13 | TO-220FP |
| STD3LN62K3 | 620 | 3 | – | 2,5 | 17 | DPAK |
| STU3LN62K3 | 620 | 3 | – | 2,5 | 17 | IPAK |
| STD2N62K3 | 620 | 3,6 | – | 2,2 | 15 | DPAK |
| STF2N62K3 | 620 | 3,6 | – | 2,2 | 15 | TO-220FP |
| STU2N62K3 | 620 | 3,6 | – | 2,2 | 10 | IPAK |
| STE145N65M5 | 650 | 0,015 | – | 138 | 414 | ISOTOP |
| STY145N65M5 | 650 | 0,015 | – | 138 | 434 | Max247 |
| STE139N65M5 (*) | 650 | 0,017 | – | 130 | 363 | ISOTOP |
| STY139N65M5 | 650 | 0,017 | – | 130 | 363 | Max247 |
| STE88N65M5 | 650 | 0,029 | – | 88 | 204 | ISOTOP |
| STW88N65M5 | 650 | 0,029 | – | 84 | 204 | TO-247 |
| STW88N65M5-4 | 650 | 0,029 | – | 84 | 204 | TO247-4 |
| STWA88N65M5 | 650 | 0,029 | – | 84 | 204 | TO-247 long leads |
| STW78N65M5 | 650 | 0,032 | Yes | 69 | 203 | TO-247 |
| STFW69N65M5 | 650 | 0,045 | – | 58 | 143 | TO-3PF |
| STW69N65M5 | 650 | 0,045 | – | 58 | 143 | TO-247 |
| STW69N65M5-4 | 650 | 0,045 | – | 58 | 143 | TO247-4 |
| STW62N65M5 | 650 | 0,049 | Yes | 46 | 142 | TO-247 |
| STWA65N65DM2AG | 650 | 0,05 | Yes | 60 | 120 | TO-247 long leads |
| STW65N65DM2AG | 650 | 0,05 | Yes | 60 | 120 | TO-247 |
| STW70N65M2 | 650 | 0,062 | – | 48 | 110 | TO-247 |
| STW56N65M2 | 650 | 0,062 | – | 49 | 93 | TO-247 |
| STW56N65M2-4 | 650 | 0,062 | – | 49 | 93 | TO247-4 |
| STB43N65M5 | 650 | 0,063 | Yes | 42 | 100 | D2PAK |
| STB57N65M5 | 650 | 0,063 | – | 42 | 98 | D2PAK |
| STF57N65M5 | 650 | 0,063 | – | 42 | 98 | TO-220FP |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------------------------|----------------------|---|---------------------|--------------------------|---------------------------|-----------------------------|
| STP57N65M5 | 650 | 0,063 | – | 42 | 98 | TO-220 |
| STW57N65M5 | 650 | 0,063 | – | 42 | 98 | TO-247 |
| STW57N65M5-4 | 650 | 0,063 | – | 42 | 98 | TO247-4 |
| STWA57N65M5 | 650 | 0,063 | – | 42 | 98 | TO-247 long leads |
| STW56N65DM2 | 650 | 0,065 | – | 48 | 88 | TO-247 |
| STW58N65DM2AG | 650 | 0,065 | Yes | 48 | 88 | TO-247 |
| STL57N65M5 | 650 | 0,069 | – | 22,5 | 96 | PowerFLAT 8x8 HV |
| STB45N65M5 | 650 | 0,078 | – | 35 | 82 | D2PAK |
| STF45N65M5 | 650 | 0,078 | – | 35 | 82 | TO-220FP |
| STFW45N65M5 | 650 | 0,078 | – | 35 | 82 | TO-3PF |
| STP45N65M5 | 650 | 0,078 | – | 35 | 82 | TO-220 |
| STW45N65M5 | 650 | 0,078 | – | 35 | 82 | TO-247 |
| STWA45N65M5 | 650 | 0,078 | – | 35 | 82 | TO-247 long leads |
| STL45N65M5 | 650 | 0,086 | – | 22,5 | 82 | PowerFLAT 8x8 HV |
| STW50N65DM2AG | 650 | 0,087 | Yes | 38 | 70 | TO-247 |
| STW38N65M5-4 (*) | 650 | 0,095 | – | 30 | 71 | TO247-4 |
| STB38N65M5 | 650 | 0,095 | – | 30 | 71 | D2PAK |
| STF38N65M5 | 650 | 0,095 | – | 30 | 71 | TO-220FP |
| STFW38N65M5 | 650 | 0,095 | – | 30 | 71 | TO-3PF |
| STP38N65M5 | 650 | 0,095 | – | 30 | 71 | TO-220 |
| STW38N65M5 | 650 | 0,095 | – | 30 | 71 | TO-247 |
| STF40N65M2 | 650 | 0,099 | – | 32 | 56 | TO-220FP |
| STI40N65M2 | 650 | 0,099 | – | 32 | 56 | I2PAK |
| STP40N65M2 | 650 | 0,099 | – | 32 | 56 | TO-220 |
| STW40N65M2 | 650 | 0,099 | – | 32 | 56 | TO-247 |
| STL38N65M5 | 650 | 0,105 | – | 22,5 | 71 | PowerFLAT 8x8 HV |
| STB34N65M5 | 650 | 0,11 | – | 29 | 70 | D2PAK |
| STF34N65M5 | 650 | 0,11 | – | 29 | 70 | TO-220FP |
| STFI34N65M5 | 650 | 0,11 | – | 29 | 70 | I2PAKFP |
| STP34N65M5 | 650 | 0,11 | – | 29 | 70 | TO-220 |
| STW34N65M5 | 650 | 0,11 | – | 29 | 70 | TO-247 |
| STL34N65M5 | 650 | 0,12 | – | 22,5 | 62,5 | PowerFLAT 8x8 HV |
| STB33N65M2 | 650 | 0,14 | – | 24 | 41,5 | D2PAK |
| STF33N65M2 | 650 | 0,14 | – | 24 | 41,5 | TO-220FP |
| STI33N65M2 | 650 | 0,14 | – | 24 | 41,5 | I2PAK |
| STP33N65M2 | 650 | 0,14 | – | 24 | 41,5 | TO-220 |
| STB31N65M5 | 650 | 0,148 | – | 22 | 55 | D2PAK |
| STF31N65M5 | 650 | 0,148 | – | 22 | 55 | TO-220FP |
| STFI31N65M5 | 650 | 0,148 | – | 22 | 55 | I2PAKFP |
| STP31N65M5 | 650 | 0,148 | – | 22 | 55 | TO-220 |
| STW31N65M5 | 650 | 0,148 | – | 22 | 55 | TO-247 |
| STL33N65M2 | 650 | 0,154 | – | 20 | 41,5 | PowerFLAT 8x8 HV |
| STL31N65M5 | 650 | 0,162 | – | 15 | 45 | PowerFLAT 8x8 HV |
| STB28N65M2 | 650 | 0,18 | – | 20 | 35 | D2PAK |
| STF28N65M2 | 650 | 0,18 | – | 20 | 35 | TO-220FP |
| STFU28N65M2 | 650 | 0,18 | – | 20 | 35 | TO-220FP ultra narrow leads |
| STP28N65M2 | 650 | 0,18 | – | 20 | 35 | TO-220 |
| STW28N65M2 | 650 | 0,18 | – | 20 | 35 | TO-247 |
| STB20N65M5 | 650 | 0,19 | – | 18 | 36 | D2PAK |
| STF20N65M5 | 650 | 0,19 | – | 18 | 36 | TO-220FP |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|-------------|----------------------|---|---------------------|--------------------------|---------------------------|-----------------------------|
| STFI20N65M5 | 650 | 0,19 | – | 18 | 36 | I2PAKFP |
| STP20N65M5 | 650 | 0,19 | – | 18 | 36 | TO-220 |
| STW20N65M5 | 650 | 0,19 | – | 18 | 36 | TO-247 |
| STL22N65M5 | 650 | 0,22 | – | 15 | 45 | PowerFLAT 8x8 HV |
| STF18N65M5 | 650 | 0,22 | – | 15 | 34 | TO-220FP |
| STP18N65M5 | 650 | 0,22 | – | 15 | 34 | TO-220 |
| STB24N65M2 | 650 | 0,23 | – | 16 | 29 | D2PAK |
| STF24N65M2 | 650 | 0,23 | – | 16 | 29 | TO-220FP |
| STP24N65M2 | 650 | 0,23 | – | 16 | 29 | TO-220 |
| STL18N65M5 | 650 | 0,24 | – | 15 | 31 | PowerFLAT 5x6 HV |
| STL19N65M5 | 650 | 0,24 | – | 12,5 | 31 | PowerFLAT 8x8 HV |
| STL24N65M2 | 650 | 0,25 | – | 14 | 29 | PowerFLAT 8x8 HV |
| STF18N65M2 | 650 | 0,33 | – | 12 | 20 | TO-220FP |
| STFU18N65M2 | 650 | 0,33 | – | 12 | 20 | TO-220FP ultra narrow leads |
| STI18N65M2 | 650 | 0,33 | – | 12 | 20 | I2PAK |
| STP18N65M2 | 650 | 0,33 | – | 12 | 20 | TO-220 |
| STFI18N65M2 | 650 | 0,33 | – | 12 | 20 | I2PAKFP |
| STB15N65M5 | 650 | 0,34 | – | 11 | 22 | D2PAK |
| STD15N65M5 | 650 | 0,34 | – | 11 | 22 | DPAK |
| STF15N65M5 | 650 | 0,34 | – | 11 | 22 | TO-220FP |
| STFI15N65M5 | 650 | 0,34 | – | 11 | 22 | I2PAKFP |
| STP15N65M5 | 650 | 0,34 | – | 11 | 22 | TO-220 |
| STD16N65M2 | 650 | 0,36 | – | 11 | 19,5 | DPAK |
| STF16N65M2 | 650 | 0,36 | – | 11 | 19,5 | TO-220FP |
| STP16N65M2 | 650 | 0,36 | – | 11 | 19,5 | TO-220 |
| STU16N65M2 | 650 | 0,36 | – | 11 | 19,5 | IPAK |
| STL18N65M2 | 650 | 0,365 | – | 8 | 20 | PowerFLAT 5x6 HV |
| STL17N65M5 | 650 | 0,374 | – | 10 | 22 | PowerFLAT 8x8 HV |
| STL15N65M5 | 650 | 0,375 | – | 10 | 22 | PowerFLAT 5x6 HV |
| STL16N65M2 | 650 | 0,395 | – | 7,5 | 19,5 | PowerFLAT 5x6 HV |
| STL16N65M2 | 650 | 0,395 | – | 7,5 | | PowerFLAT 5x6 HV |
| STD13N65M2 | 650 | 0,43 | – | 10 | 17 | DPAK |
| STF13N65M2 | 650 | 0,43 | – | 10 | 17 | TO-220FP |
| STFI13N65M2 | 650 | 0,43 | – | 10 | 17 | I2PAKFP |
| STFU13N65M2 | 650 | 0,43 | – | 10 | 17 | TO-220FP ultra narrow leads |
| STP13N65M2 | 650 | 0,43 | – | 10 | 17 | TO-220 |
| STU13N65M2 | 650 | 0,43 | – | 10 | 17 | IPAK |
| STL13N65M2 | 650 | 0,475 | – | 6,5 | 17 | PowerFLAT 5x6 HV |
| STD11N65M5 | 650 | 0,48 | – | 9 | 17 | DPAK |
| STF11N65M5 | 650 | 0,48 | – | 9 | 17 | TO-220FP |
| STP11N65M5 | 650 | 0,48 | – | 9 | 17 | TO-220 |
| STD12N65M2 | 650 | 0,5 | – | 8 | 16,5 | DPAK |
| STF12N65M2 | 650 | 0,5 | – | 8 | 16,5 | TO-220FP |
| STP12N65M2 | 650 | 0,5 | – | 8 | 16,5 | TO-220 |
| STL12N65M5 | 650 | 0,53 | – | 8,5 | 17 | PowerFLAT 5x6 HV |
| STL12HN65M2 | 650 | 0,55 | – | 8 | 16,5 | PowerFLAT 5x6 HV |
| STD11N65M2 | 650 | 0,68 | – | 7 | 12,5 | DPAK |
| STF11N65M2 | 650 | 0,68 | – | 7 | 12,5 | TO-220FP |
| STFI11N65M2 | 650 | 0,68 | – | 7 | 12,5 | I2PAKFP |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh >350 V to 700 V

(MDmesh DM2 series/MDmesh M2 series/MDmesh M5 series)

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|---------------|----------------------|--|------------------|--------------------------|---------------------------|------------------------|
| STP11N65M2 | 650 | 0,68 | – | 7 | 12,5 | TO-220 |
| STU11N65M2 | 650 | 0,68 | – | 7 | 12,5 | IPAK |
| STL12N65M2 | 650 | 0,75 | – | 5 | 12,5 | PowerFLAT 5x6 HV |
| STL11N65M2 | 650 | 0,75 | – | 5 | 12,5 | PowerFLAT 5X5 HV |
| STD9HN65M2 | 650 | 0,82 | – | 5,5 | 11,5 | DKPAK |
| STF9HN65M2 | 650 | 0,82 | – | 5,5 | 11,5 | TO-220FP |
| STU9HN65M2 | 650 | 0,82 | – | 5,5 | 11,5 | IPAK |
| STD9HN65M2 | 650 | 0,82 | – | 5,5 | 11,5 | DKPAK |
| STF9HN65M2 | 650 | 0,82 | – | 5,5 | 11,5 | TO-220FP |
| STU9HN65M2 | 650 | 0,82 | – | 5,5 | 11,5 | IPAK |
| STD9N65M2 | 650 | 0,9 | – | 5 | 10 | DKPAK |
| STF9N65M2 | 650 | 0,9 | – | 5 | 10 | TO-220FP |
| STP9N65M2 | 650 | 0,9 | – | 5 | 10 | TO-220 |
| STU9N65M2 | 650 | 0,9 | – | 5 | 10 | IPAK |
| STL10HN65M2 | 650 | 0,9 | – | 5 | 11,5 | PowerFLAT 5x6 HV |
| STD7N65M6 (*) | 650 | 0,99 | – | 5 | – | DKPAK |
| STU7N65M6 | 650 | 0,99 | – | 5 | – | IPAK |
| STL9N65M2 | 650 | 1 | – | 4,5 | 10 | PowerFLAT 5X5 HV |
| STL10N65M2 | 650 | 1 | – | 4,5 | 10 | PowerFLAT 5x6 HV |
| STF10N65K3 | 650 | 1 | – | 10 | 42 | TO-220FP |
| STP7N65M2 | 650 | 1,15 | – | 5 | 9 | TO-220 |
| STU7N65M2 | 650 | 1,15 | – | 5 | 9 | IPAK |
| STD7N65M2 | 650 | 1,15 | – | 5 | 9 | DKPAK |
| STF7N65M2 | 650 | 1,15 | – | 5 | 9 | TO-220FP |
| STD7N65M2 | 650 | 1,15 | – | 5 | 9 | DKPAK |
| STF7N65M2 | 650 | 1,15 | – | 5 | 9 | TO-220FP |
| STP7N65M2 | 650 | 1,15 | – | 5 | 9 | TO-220 |
| STU7N65M2 | 650 | 1,15 | – | 5 | 9 | IPAK |
| STL8N65M2 | 650 | 1,25 | – | 5 | 9 | PowerFLAT 5x6 HV |
| STL8N65M2 | 650 | 1,25 | – | 5 | 9 | PowerFLAT 5x6 HV |
| STU5N65M6 (*) | 650 | 1,3 | – | 3,8 | 7 | IPAK |
| STF5N65M6 (*) | 650 | 1,3 | – | 3,8 | 7 | TO-220FP |
| STD5N65M6 (*) | 650 | 1,3 | – | 3,8 | 7 | DKPAK |
| STF6N65K3 | 650 | 1,3 | – | 5,4 | 33 | TO-220FP |
| STB6N65M2 | 650 | 1,35 | – | 4 | 9,8 | D2PAK |
| STD6N65M2 | 650 | 1,35 | – | 4 | 9,8 | DKPAK |
| STF6N65M2 | 650 | 1,35 | – | 4 | 9,8 | TO-220FP |
| STP6N65M2 | 650 | 1,35 | – | 4 | 9,8 | TO-220 |
| STU6N65M2 | 650 | 1,35 | – | 4 | 9,8 | IPAK |
| STL3N65M6 (*) | 650 | 1,5 | – | 3,5 | – | PowerFLAT 3.3 X 3.3 HV |
| STF3N65M6 (*) | 650 | 1,5 | – | 3,5 | – | TO-220FP |
| STU3N65M6 (*) | 650 | 1,5 | – | 3,5 | – | IPAK |
| STD3N65M6 (*) | 650 | 1,5 | – | 3,5 | – | DKPAK |
| STU7N70M6 (*) | 700 | 0,99 | – | 4 | – | IPAK |
| STQ2NK60ZR-AP | 600 | 7,8 | – | 0,25 | 7 | TO-92 |
| STD1HN60K3 | 600 | 8 | – | 1,2 | 9,5 | DKPAK |
| STN1NK60Z | 600 | 15 | – | 0,3 | 4,9 | SOT-223 |

Note: * coming soon In Blue Fast Recovery diode devices

N-channel MDmesh K5 series > 700 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ V _{GS} 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Q _g (typ) (nC) | Package |
|--------------|----------------------|---|---------------------|--------------------------|---------------------------|-----------------------------|
| STW65N80K5 | 800 | 0,08 | – | 46 | 92 | TO-247 |
| STB30N80K5 | 800 | 0,18 | – | 24 | 43 | D2PAK |
| STW30N80K5 | 800 | 0,18 | – | 24 | 43 | TO-247 |
| STB25N80K5 | 800 | 0,26 | – | 14 | 40 | D2PAK |
| STF25N80K5 | 800 | 0,26 | – | 14 | 40 | TO-220FP |
| STP25N80K5 | 800 | 0,26 | – | 14 | 40 | TO-220 |
| STW25N80K5 | 800 | 0,26 | – | 14 | 40 | TO-247 |
| STB23N80K5 | 800 | 0,28 | – | 16 | 33 | D2PAK |
| STP23N80K5 | 800 | 0,28 | – | 16 | 33 | TO-220 |
| STF23N80K5 | 800 | 0,28 | – | 16 | 33 | TO-220FP |
| STW23N80K5 | 800 | 0,28 | – | 16 | 33 | TO-247 |
| STB17N80K5 | 800 | 0,34 | – | 14 | 26 | D2PAK |
| STF17N80K5 | 800 | 0,34 | – | 14 | 26 | TO-220FP |
| STP17N80K5 | 800 | 0,34 | – | 14 | 26 | TO-220 |
| STB15N80K5 | 800 | 0,375 | – | 14 | 30 | D2PAK |
| STF15N80K5 | 800 | 0,375 | – | 14 | 30 | TO-220FP |
| STFU15N80K5 | 800 | 0,375 | – | 14 | 32 | TO-220FP ultra narrow leads |
| STP15N80K5 | 800 | 0,375 | – | 14 | 30 | TO-220 |
| STW15N80K5 | 800 | 0,375 | – | 14 | 30 | TO-247 |
| STB14N80K5 | 800 | 0,445 | – | 12 | 22 | D2PAK |
| STF14N80K5 | 800 | 0,445 | – | 12 | 22 | TO-220FP |
| STFI14N80K5 | 800 | 0,445 | – | 12 | 22 | I2PAKFP |
| STP14N80K5 | 800 | 0,445 | – | 12 | 22 | TO-220 |
| STB13N80K5 | 800 | 0,45 | – | 12 | 29 | D2PAK |
| STF13N80K5 | 800 | 0,45 | – | 12 | 29 | TO-220FP |
| STFI13N80K5 | 800 | 0,45 | – | 12 | 29 | I2PAKFP |
| STP13N80K5 | 800 | 0,45 | – | 12 | 29 | TO-220 |
| STW13N80K5 | 800 | 0,45 | – | 12 | 29 | TO-247 |
| STB10LN80K5 | 800 | 0,63 | – | 8 | 15 | D2PAK |
| STD10LN80K5 | 800 | 0,63 | – | 8 | 15 | DPAK |
| STF10LN80K5 | 800 | 0,63 | – | 8 | 15 | TO-220FP |
| STFI10LN80K5 | 800 | 0,63 | – | 8 | 15 | I2PAKFP |
| STP10LN80K5 | 800 | 0,63 | – | 8 | 15 | TO-220 |
| STL10LN80K5 | 800 | 0,71 | – | 8 | 15 | PowerFLAT 5x6 HV |
| STD9N80K5 | 800 | 0,9 | – | 7 | 12 | DPAK |
| STF9N80K5 | 800 | 0,9 | – | 7 | 12 | TO-220FP |
| STFI9N80K5 | 800 | 0,9 | – | 7 | 12 | I2PAKFP |
| STL9N80K5 | 800 | 0,9 | – | 7 | 12 | PowerFLAT 5x6 HV |
| STP9N80K5 | 800 | 0,9 | – | 7 | 12 | TO-220 |
| STW9N80K5 | 800 | 0,9 | – | 7 | 12 | TO-247 |
| STD8N80K5 | 800 | 0,95 | – | 6 | 16,5 | DPAK |
| STF10N80K5 | 800 | 0,95 | – | 9 | 22 | TO-220FP |
| STF8N80K5 | 800 | 0,95 | – | 6 | 16,5 | TO-220FP |
| STFI8N80K5 | 800 | 0,95 | – | 6 | 16,5 | I2PAKFP |
| STL8N80K5 | 800 | 0,95 | – | 6 | 16,5 | PowerFLAT 5x6 VHV |
| STP8N80K5 | 800 | 0,95 | – | 6 | 16,5 | TO-220 |
| STU8N80K5 | 800 | 0,95 | – | 6 | 16,5 | IPAK |
| STD7LN80K5 | 800 | 1,15 | – | 5 | 12 | DPAK |
| STF7LN80K5 | 800 | 1,15 | – | 5 | 12 | TO-220FP |
| STFI7LN80K5 | 800 | 1,15 | – | 5 | 12 | TO-220FP |

Note: * coming soon

N-channel MDmesh K5 series > 700 V

| Part Number | V _{DSS} (V) | R _{DS(on)} @ V _{GS} (max) 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Qg (typ) (nC) | Package |
|----------------|----------------------|--|---------------------|--------------------------|---------------|-------------------|
| STP7LN80K5 | 800 | 1,15 | – | 5 | 12 | TO-220 |
| STU7LN80K5 | 800 | 1,15 | – | 5 | 12 | DPAK |
| STD7LN80K5 | 800 | 1,15 | – | 5 | 7,5 | DPAK |
| STU7LN80K5 | 800 | 1,15 | – | 5 | 7,5 | IPAK |
| STF7LN80K5 | 800 | 1,15 | – | 5 | 7,5 | TO-220FP |
| STP7LN80K5 | 800 | 1,15 | – | 5 | 7,5 | TO-220 |
| STFI7LN80K5 | 800 | 1,15 | – | 5 | 7,5 | I2PAKFP |
| STL7LN80K5 | 800 | 1,15 | – | 5 | 7,5 | PowerFLAT 5x6 HV |
| STD7N80K5 | 800 | 1,2 | – | 6 | 13,4 | DPAK |
| STF7N80K5 | 800 | 1,2 | – | 6 | 13,4 | TO-220FP |
| STFI7N80K5 | 800 | 1,2 | – | 6 | 13,4 | I2PAKFP |
| STL7N80K5 | 800 | 1,2 | – | 3,6 | 13,4 | PowerFLAT 5x6 VHV |
| STP7N80K5 | 800 | 1,2 | – | 6 | 13,4 | TO-220 |
| STU7N80K5 | 800 | 1,2 | – | 6 | 13,4 | IPAK |
| STB6N80K5 | 800 | 1,5 | – | 4,5 | 7,5 | D2PAK |
| STD6N80K5 | 800 | 1,5 | – | 4,5 | 7,5 | DPAK |
| STF6N80K5 | 800 | 1,5 | – | 4,5 | 7,5 | TO-220FP |
| STFI6N80K5 | 800 | 1,5 | – | 4,5 | 7,5 | I2PAKFP |
| STI6N80K5 | 800 | 1,5 | – | 4,5 | 7,5 | I2PAK |
| STP6N80K5 | 800 | 1,5 | – | 4,5 | 7,5 | TO-220 |
| STB5N80K5 | 800 | 1,75 | – | 4 | 5,5 | D2PAK |
| STFI5N80K5 (*) | 800 | 1,75 | – | 4 | 5,5 | I2PAKFP |
| STP5N80K5 (*) | 800 | 1,75 | – | 4 | 5,5 | TO-220 |
| STD5N80K5 (*) | 800 | 1,75 | – | 4 | 5,5 | DPAK |
| STF5N80K5 (*) | 800 | 1,75 | – | 4 | 5,5 | TO-220FP |
| STL5N80K5 (*) | 800 | 1,75 | – | 4 | 5,5 | PowerFLAT 5x6 HV |
| STB9NK80Z | 800 | 1,8 | Yes | 5,2 | 40 | D2PAK |
| STD4N80K5 | 800 | 2,5 | – | 2,5 | 10,5 | DPAK |
| STF4N80K5 | 800 | 2,5 | – | 2,5 | 10,5 | TO-220FP |
| STL4N80K5 | 800 | 2,5 | – | 2,5 | 10,5 | PowerFLAT 5x6 VHV |
| STP4N80K5 | 800 | 2,5 | – | 3 | 10,5 | TO-220 |
| STU4N80K5 | 800 | 2,5 | – | 2,5 | 10,5 | IPAK |
| STD4LN80K5 (*) | 800 | 2,6 | – | 3 | 4 | DPAK |
| STF4LN80K5 (*) | 800 | 2,6 | – | 3 | 4 | TO-220FP |
| STL4LN80K5 (*) | 800 | 2,6 | – | 3 | 4 | PowerFLAT 5x6 HV |
| STP4LN80K5 (*) | 800 | 2,6 | – | 3 | 4 | TO-220 |
| STF3LN80K5 (*) | 800 | 3,25 | – | 2,4 | | TO-220FP |
| STD3LN80K5 (*) | 800 | 3,25 | – | 2,4 | | DPAK |
| STP3LN80K5 (*) | 800 | 3,25 | – | 2,4 | | TO-220 |
| STU3LN80K5 (*) | 800 | 3,25 | – | 2,4 | | IPAK |
| STD3N80K5 | 800 | 3,5 | – | 2,5 | 9,5 | DPAK |
| STF3N80K5 | 800 | 3,5 | – | 2,5 | 9,5 | TO-220FP |
| STP3N80K5 | 800 | 3,5 | – | 2,5 | 9,5 | TO-220 |
| STU3N80K5 | 800 | 3,5 | – | 2,5 | 9,5 | IPAK |
| STD2N80K5 | 800 | 4,5 | – | 2 | 3 | DPAK |
| STF2N80K5 | 800 | 4,5 | – | 2 | 3 | TO-220FP |
| STP2N80K5 | 800 | 4,5 | – | 2 | 3 | TO-220 |
| STU2N80K5 | 800 | 4,5 | – | 2 | 3 | IPAK |
| STL2N80K5 | 800 | 4,9 | – | 2 | 3 | PowerFLAT 5x6 VHV |
| STD1NK80ZT4 | 800 | 16 | – | 1 | 5 | DPAK |
| STN1NK80Z | 800 | 16 | – | 0,25 | 5 | SOT-223 |

Note: * coming soon

N-channel MDmesh K5 series > 700 V

| Part Number | V _{DSS} (V) | R _{DS(on)} @ V _{GS} (max) 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Qg (typ) (nC) | Package |
|-----------------|----------------------|--|---------------------|--------------------------|---------------|--------------------|
| STW23N85K5 | 850 | 0,275 | – | 19 | 38 | TO-247 |
| STL23N85K5 (*) | 850 | 0,275 | | 18 | 38 | PowerFLAT 8x8 HV |
| STW40N90K5 (*) | 900 | 0,11 | | 40 | 95 | TO-247 |
| STWA40N90K5 (*) | 900 | 0,11 | | 40 | 95 | TO -247 long leads |
| STW40N95K5 | 950 | 0,13 | – | 38 | 93 | TO-247 |
| STWA40N95K5 | 950 | 0,13 | – | 38 | 93 | TO-247 long leads |
| STB20N90K5 (*) | 900 | 0,26 | | 20 | | D2PAK |
| STF20N90K5 (*) | 900 | 0,26 | | 20 | | TO-220FP |
| STP20N90K5 (*) | 900 | 0,26 | | 20 | | TO-220 |
| STW20N90K5 (*) | 900 | 0,26 | | 20 | | TO-247 |
| STB21N90K5 | 900 | 0,299 | – | 18,5 | 43 | D2PAK |
| STF21N90K5 | 900 | 0,299 | – | 18,5 | 43 | TO-220FP |
| STP21N90K5 | 900 | 0,299 | – | 18,5 | 43 | TO-220 |
| STW21N90K5 | 900 | 0,299 | – | 18,5 | 43 | TO-247 |
| STB20N95K5 | 950 | 0,33 | – | 17,5 | 48 | D2PAK |
| STF20N95K5 | 950 | 0,33 | – | 17,5 | 48 | TO-220FP |
| STP20N95K5 | 950 | 0,33 | – | 17,5 | 48 | TO-220 |
| STW20N95K5 | 950 | 0,33 | – | 17,5 | 48 | TO-247 |
| STW22N95K5 | 950 | 0,33 | Yes | 17,5 | 48 | TO-247 |
| STWA20N95K5 | 950 | 0,33 | – | 17,5 | 48 | TO-247 long leads |
| STF15N95K5 | 950 | 0,5 | – | 12 | 27 | TO-220FP |
| STP15N95K5 | 950 | 0,5 | – | 12 | 27 | TO-220 |
| STW15N95K5 | 950 | 0,5 | – | 12 | 27 | TO-247 |
| STW8N90K5 (*) | 900 | 0,8 | | 8 | | TO-247 |
| STP8N90K5 (*) | 900 | 0,8 | | 8 | | TO-220 |
| STF8N90K5 (*) | 900 | 0,8 | | 8 | | TO-220FP |
| STB8N90K5 (*) | 900 | 0,8 | | 8 | | D2PAK |
| STB10N95K5 | 950 | 0,8 | – | 8 | 20 | D2PAK |
| STB10N95K5 | 950 | 0,8 | – | 8 | 20 | D2PAK |
| STF10N95K5 | 950 | 0,8 | – | 8 | 20 | TO-220FP |
| STP10N95K5 | 950 | 0,8 | – | 8 | 20 | TO-220 |
| STW10N95K5 | 950 | 0,8 | – | 8 | 20 | TO-247 |
| STD6N90K5 (*) | 900 | 1,25 | | 6 | | DPAK |
| STF6N90K5 (*) | 900 | 1,25 | | 6 | | TO-220FP |
| STP6N90K5 (*) | 900 | 1,25 | | 6 | | TO-220 |
| STU6N90K5 (*) | 900 | 1,25 | | 6 | | IPAK |
| STW6N90K5 (*) | 900 | 1,25 | | 6 | | TO-247 |
| STD6N95K5 | 950 | 1,25 | – | 9 | 13 | DPAK |
| STF6N95K5 | 950 | 1,25 | – | 9 | 13 | TO-220FP |
| STH6N95K5-2 | 950 | 1,25 | – | 6 | 13 | H2PAK-2 |
| STP6N95K5 | 950 | 1,25 | – | 9 | 13 | TO-220 |
| STU6N95K5 | 950 | 1,25 | – | 9 | 13 | IPAK |
| STW6N95K5 | 950 | 1,25 | – | 9 | 13 | TO-247 |
| STF9NK90Z | 900 | 1,3 | – | 8 | 72 | TO-220FP |
| STD4N90K5 (*) | 900 | 2,4 | | 3,5 | | DPAK |
| STF4N90K5 (*) | 900 | 2,4 | | 3,5 | | TO-220FP |
| STP4N90K5 (*) | 900 | 2,4 | | 3,5 | | TO-220 |
| STD5N95K5 | 950 | 2,5 | – | 3,5 | 7 | DPAK |
| STF5N95K5 | 950 | 2,5 | – | 3,5 | 7 | TO-220FP |
| STU5N95K5 | 950 | 2,5 | – | 3,5 | 7 | IPAK |
| STP5N95K5 | 950 | 2,5 | – | 3,5 | 7 | TO-220 |

Note: * coming soon

N-channel MDmesh K5 series > 700 V

| Part Number | V _{DSS} (V) | R _{DS(on)} @ V _{GS} (max) 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Qg (typ) (nC) | Package |
|-----------------|----------------------|--|---------------------|--------------------------|---------------|-------------------|
| STD2N95K5 | 950 | 5 | – | 2 | 10 | DPAK |
| STF2N95K5 | 950 | 5 | – | 2 | 10 | TO-220FP |
| STP2N95K5 | 950 | 5 | – | 2 | 10 | TO-220 |
| STU3N95K5AG (*) | 950 | 5 | Yes | 2 | 10 | IPAK |
| STD3N95K5AG (*) | 950 | 5 | Yes | 2 | 10 | DPAK |
| STU2N95K5 | 950 | 5 | – | 2 | 10 | IPAK |
| STW13NK100Z | 1000 | 0,7 | – | 13,5 | 220 | TO-247 |
| STF10N105K5 | 1050 | 1,3 | – | 6 | 21,5 | TO-220FP |
| STP10N105K5 | 1050 | 1,3 | – | 6 | 21,5 | TO-220 |
| STD3NK90Z | 900 | 4,8 | – | 3 | 22,7 | DPAK |
| STD2NK90Z | 900 | 6,5 | – | 2,1 | 19,5 | DPAK |
| STD2NK90Z-1 | 900 | 6,5 | – | 2,1 | 19,5 | IPAK |
| STW10N105K5 | 1050 | 1,3 | – | 6 | 21,5 | TO-247 |
| STF7N105K5 | 1050 | 2 | – | 4 | 17 | TO-220FP |
| STP7N105K5 | 1050 | 2 | – | 4 | 17 | TO-220 |
| STU7N105K5 | 1050 | 2 | – | 4 | 17 | IPAK |
| STW7N105K5 | 1050 | 2 | – | 4 | 17 | TO-247 |
| STF5N105K5 | 1050 | 3,5 | – | 3 | 12,5 | TO-220FP |
| STP5N105K5 | 1050 | 3,5 | – | 3 | 12,5 | TO-220 |
| STD3NK100Z | 1000 | 6 | – | 2,5 | 18 | DPAK |
| STD4NK100Z | 1000 | 6,8 | Yes | 2,2 | 18 | DPAK |
| STD2N105K5 | 1050 | 8 | – | 1,5 | 10 | DPAK |
| STFW2N105K5 | 1050 | 8 | – | 1,5 | 10 | TO-3PF |
| STP2N105K5 | 1050 | 8 | – | 1,5 | 10 | TO-220 |
| STU2N105K5 | 1050 | 8 | – | 1,5 | 10 | IPAK |
| STP2NK100Z | 1000 | 8,5 | – | 1,85 | 16 | TO-220 |
| STFW1N105K3 | 1050 | 11 | – | 1,4 | 13 | TO-3PF |
| STF12N120K5 | 1200 | 0,69 | – | 12 | 44,2 | TO-220FP |
| STW21N150K5 | 1500 | 0,9 | – | 14 | 95 | TO-247 |
| STW12N150K5 | 1500 | 1,9 | – | 7 | 47 | TO-247 |
| STFW12N120K5 | 1200 | 0,69 | – | 12 | 44,2 | TO-3PF |
| STH12N120K5-2 | 1200 | 0,69 | – | 12 | 44,2 | H2PAK-2 |
| STP12N120K5 | 1200 | 0,69 | – | 12 | 44,2 | TO-220 |
| STW12N120K5 | 1200 | 0,69 | – | 12 | 44,2 | TO-247 |
| STWA12N120K5 | 1200 | 0,69 | – | 12 | 44,2 | TO-247 long leads |
| STFW6N120K3 | 1200 | 2,4 | – | 6 | 34 | TO-3PF |
| STP6N120K3 | 1200 | 2,4 | – | 6 | 34 | TO-220 |
| STW6N120K3 | 1200 | 2,4 | – | 6 | 34 | TO-247 |
| STW9N150 | 1500 | 2,5 | – | 8 | 89,3 | TO-247 |
| STP4N150 | 1500 | 7 | – | 3,1 | 35 | TO-220 |
| STFW4N150 | 1500 | 7 | – | 4 | 30 | TO-3PF |
| STW4N150 | 1500 | 7 | – | 4 | 30 | TO-247 |
| STP3N150 | 1500 | 9 | – | 2,5 | 29,3 | TO-220 |
| STFW3N150 | 1500 | 9 | – | 2,5 | 29,3 | TO-3PF |
| STH3N150-2 | 1500 | 9 | – | 2,5 | 29,3 | H2PAK-2 |
| STW3N150 | 1500 | 9 | – | 2,5 | 29,3 | TO-247 |
| STFW3N170 | 1700 | 13 | – | 2,6 | 44 | TO-3PF |
| STW3N170 | 1700 | 13 | – | 2,6 | 44 | TO-247 |

Note: * coming soon

P-channel STripFET -20 V to -500 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 1.8 V (Ω) | R _{DS(on)} (max) @ 2.5 V (Ω) | R _{DS(on)} (@4.5 or 5V) max (Ω) | R _{DS(on)} (@ VGS=10V) max (Ω) | Automotive Grade | I _{D(Cont)} (A) | Qg (typ) (nC) | Package |
|-------------------|----------------------|--|--|---|---|------------------|--------------------------|------------------|--------------------------------|
| STD3PK50Z | -500 | | | | 4 | | -2,8 | 20 | DPAK |
| STD10P10F6 | -100 | – | – | | 0,18 | – | -10 | 17 | DPAK |
| STL13DP10F6 | -100 | – | – | - | 0,18 | – | -3,3 | 17 | PowerFLAT 5x6 double island |
| STD40P8F6AG | -80 | – | – | – | 0,028 | – | – | – | DPAK |
| STL42P6LLF6 | -60 | – | – | 0,034 | 0,026 | – | -42 | 30 | PowerFLAT 5x6 |
| STD35P6LLF6 | -60 | – | – | 0,036 | 0,028 | – | -35 | 30 | DPAK |
| STF21P6LLF6 | -60 | – | – | 0,036 | 0,028 | | -21 | 30 | TO-220FP |
| STD10P6F6 | -60 | – | – | - | 0,16 | – | -10 | 6,4 | DPAK |
| STD15P6F6AG | -60 | – | – | - | 0,16 | Yes | -10 | 6,4 | DPAK |
| STF10P6F6 | -60 | – | – | - | 0,16 | – | -10 | 6,4 | TO-220FP |
| STL12P6F6 | -60 | – | – | - | 0,16 | – | -3 | 6,4 | PowerFLAT 5x6 |
| STN3P6F6 | -60 | – | – | - | 0,16 | – | -3 | 6,4 | SOT-223 |
| STN4P6F6AG (*) | -60 | – | – | - | 0,16 | Yes | -3 | 6,4 | SOT-223 |
| STP10P6F6 | -60 | – | – | - | 0,16 | – | -10 | 6,4 | TO-220 |
| STS3P6F6 | -60 | – | – | - | 0,16 | – | -3 | 6,4 | SO-8 |
| STU10P6F6 | -60 | – | – | – | 0,16 | – | -10 | 6,4 | IPAK |
| STU10P6F6 | -60 | – | – | | 0,16 | | -19 | 6,4 | IPAK |
| STP80PF55 | -55 | – | – | - | 0,018 | – | -80 | 190 | TO-220 |
| STL60P4LLF6 | -40 | – | – | 0,0019 | 0,014 | – | -60 | 34 | PowerFLAT 5x6 |
| STL65P4LLF6AG (*) | -40 | – | – | 0,0019 | 0,014 | | -60 | 0 | PowerFLAT 5x6 |
| STD46P4LLF6 | -40 | – | – | 0,02 | 0,015 | | -50 | 0 | DPAK |
| STD45P4LLF6AG | -40 | – | – | 0,02 | 0,015 | Yes | -50 | 65,5 | DPAK |
| STS10P4LLF6 | -40 | – | – | 0,02 | 0,015 | | -10 | 0 | SO-8 |
| STL42P4LLF6 | -40 | – | – | 0,026 | 0,018 | – | -42 | 22 | PowerFLAT 5x6 |
| STL8P4LLF6 | -40 | – | – | 0,029 | 0,0205 | – | -8 | 22 | PowerFLAT 3.3x3.3 |
| STS7P4LLF6 | -40 | – | – | 0,029 | 0,0205 | – | -7 | 22 | SO-8 |
| STD36P4LLF6 | -40 | – | – | 0,029 | 0,022 | – | -36 | 22 | DPAK |
| STL150P3LLH6 (*) | -30 | – | – | 0,0052 | 0,0035 | – | – | 93 | PowerFLAT 5x6 |
| STD95P3LLH6AG (*) | -30 | – | – | 0,0097 | 0,0068 | – | – | – | DPAK |
| STS10P3LLH6 | -30 | – | – | 0,017 | 0,012 | – | -12,5 | 33 | SO-8 |
| STD37P3H6AG | -30 | – | – | - | 0,015 | Yes | -49 | 30,6 | DPAK |
| STL62P3LLH6 | -30 | – | – | 0,0105 | 0,016 | – | -62 | 25 | PowerFLAT 5x6 |
| STL65P3LLH6AG (*) | -30 | – | – | 0,0105 | 0,016 | Yes | -62 | 33 | PowerFLAT 5x6 |
| STD52P3LLH6 | -30 | – | – | 0,012 | 0,017 | – | -52 | 33 | DPAK |
| STP52P3LLH6 | -30 | – | – | 0,012 | 0,017 | – | -52 | 33 | TO-220 |
| STD40P3LLH6 | -30 | – | – | 0,03 | 0,018 | | -40 | 26 | DPAK |
| STL45P3LLH6 | -30 | – | – | 0,03 | 0,018 | | -45 | 26 | PowerFLAT 5x6 |
| STL9P3LLH6 | -30 | – | – | 0,03 | 0,018 | | -9 | 26 | PowerFLAT 3.3x3.3 |
| STS9P3LLH6 | -30 | – | – | 0,03 | 0,018 | | -9 | 26 | SO-8 |
| STD26P3LLH6 | -30 | – | – | 0,045 | 0,03 | – | -24 | 12 | DPAK |
| STD28P3LLH6AG | -30 | – | – | 0,05 | 0,03 | Yes | -12 | 29 | DPAK |
| STL30P3LLH6 | -30 | – | – | 0,05 | 0,03 | – | -30 | 26 | PowerFLAT 5x6 |
| STL6P3LLH6 | -30 | – | – | 0,05 | 0,03 | – | -6 | 12 | PowerFLAT 3.3x3.3 |
| STS6P3LLH6 | -30 | – | – | 0,05 | 0,03 | – | -6 | 26 | SO-8 |
| STD20P3H6AG | -30 | – | – | - | 0,05 | Yes | -20 | 12,8 | DPAK |
| STS5PF30L | -30 | – | – | 0,075 | 0,055 | | -5 | 24 | SO-8 |
| STL4P3LLH6 | -30 | – | – | 0,09 | 0,056 | – | -4 | 6 | PowerFLAT 2x2 |

Note: * coming soon

P-channel STripFET -20 V to -500 V

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 1.8 V (Ω) | R _{DS(on)} (max) @ 2.5 V (Ω) | R _{DS(on)} (@4.5 or 5V) max (Ω) | R _{DS(on)} (@ VGS=10V) max (Ω) | Automotive Grade | I _{D(Cont)} (A) | Qg (typ) (nC) | Package |
|-------------|----------------------|---------------------------------------|---------------------------------------|--|---|------------------|--------------------------|---------------|-------------------|
| STR2P3LLH6 | -30 | – | – | 0,09 | 0,056 | – | -2 | 6 | SOT23 |
| STS5P3LLH6 | -30 | – | – | 0,09 | 0,056 | – | -5 | 6 | SO-8 |
| STT4P3LLH6 | -30 | – | – | 0,09 | 0,056 | – | -4 | 6 | SOT23-6L |
| STS5DP3LLH6 | -30 | – | – | 0,09 | 0,06 | – | 0 | 0 | SO-8 |
| STD20P3H6AG | -30 | – | – | – | – | – | – | – | DKPAK |
| STL8P2UH7 | -20 | 0,043 | 0,025 | 0,0225 | - | – | -8 | 22 | PowerFLAT 2x2 |
| STL9P2UH7 | -20 | 0,043 | 0,025 | 0,0225 | - | – | -9 | 22 | PowerFLAT 3.3x3.3 |
| STS9P2UH7 | -20 | 0,043 | 0,025 | 0,0225 | - | – | -9 | 22 | SO-8 |
| STT7P2UH7 | -20 | 0,043 | 0,025 | 0,0225 | - | – | -7 | 22 | SOT23-6L |
| STL4P2UH7 | -20 | 0,18 | 0,13 | 0,1 | - | – | -4 | 4,8 | PowerFLAT 2x2 |
| STR1P2UH7 | -20 | 0,18 | 0,13 | 0,1 | - | – | -1,4 | 4,8 | SOT23 |
| STT3P2UH7 | -20 | 0,18 | 0,13 | 0,1 | - | – | -3 | 4,8 | SOT23-6L |

Complementary pair

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ 1.8 V (Ω) | R _{DS(on)} (max) @ 2.5 V (Ω) | R _{DS(on)} (@4.5 or 5V) max (Ω) | R _{DS(on)} (@ VGS=10V) max (Ω) | Automotive Grade | I _{D(Cont)} (A) | Total Gate Charge(Qg) typ (nC) | Package |
|----------------|----------------------|---------------------------------------|---------------------------------------|--|---|------------------|--------------------------|--------------------------------|-----------------------------|
| STL40C30H3LL # | -30 | – | – | 0,05 | 0,03 | – | -30 | 12 | PowerFLAT 5x6 double island |
| STL40C30H3LL # | 30 | – | – | 0,028 | 0,021 | – | 40 | 4,6 | PowerFLAT 5x6 double island |
| STS8C5H30L # | -30 | – | – | 0,75 | 0,55 | – | -5 | 16 | SO-8 |
| STS8C5H30L # | 30 | – | – | 0,25 | 0,22 | – | 8 | 10 | SO-8 |

Note: * coming soon

N-channel fast recovery diode

| Part Number | V _{DSS} (V) | R _{DS(on)} (max) @ VGS 10 V (Ω) | Automotive Grade | I _{D(Cont)} (A) | Qg (typ) (nC) | Trr (typ) (ns) | Qrr (typ) (nC) | Peak Reverse Current(I _{RRM}) nom (A) | Package |
|-----------------------|----------------------|--|---------------------|--------------------------|------------------|-------------------|----------------------|---|--------------------|
| STW70N60DM2 | 600 | 0,042 | – | 68 | 121 | 150 | 750 | 9,6 | TO-247 |
| STW72N60DM2AG | 600 | 0,042 | Yes | 68 | 121 | 150 | 750 | 9,6 | TO-247 |
| STWA72N60DM2AG (*) | 600 | 0,042 | Yes | 68 | 121 | 150 | 720 | 9,6 | TO -247 long leads |
| STWA70N60DM2 | 600 | 0,042 | – | 68 | 121 | 150 | 720 | 9,6 | TO -247 long leads |
| STW56N60DM2 | 600 | 0,060 | – | 50 | 110 | 140 | 756 | 10,8 | TO-247 |
| STW58N60DM2AG | 600 | 0,060 | Yes | 50 | 110 | 140 | 756 | 10,8 | TO-247 |
| STWA58N60DM2AG | 600 | 0,060 | Yes | 50 | 90 | 140 | 756 | 10,8 | TO -247 long leads |
| STW58N60DM2AG | 600 | 0,060 | Yes | 50 | 90 | 140 | 756 | 10,8 | TO-247 |
| STW48N60DM2 | 600 | 0,079 | – | 40 | 90 | 130 | 650 | 10 | TO-247 |
| STW47NM60ND | 600 | 0,088 | Yes | 35 | 120 | 190 | 1600 | 17 | TO-247 |
| STB43N60DM2 | 600 | 0,093 | | 34 | 56 | 120 | 624 | 10,4 | D2PAK |
| STB45N60DM2AG | 600 | 0,093 | | 34 | 56 | 120 | 624 | 10,4 | D2PAK |
| STF43N60DM2 | 600 | 0,093 | | 34 | 56 | 120 | 624 | 10,4 | TO-220FP |
| STP43N60DM2 | 600 | 0,093 | | 34 | 56 | 120 | 624 | 10,4 | TO-220 |
| STP45N60DM2AG | 600 | 0,093 | | 34 | 56 | 120 | 624 | 10,4 | TO-220 |
| STW43N60DM2 | 600 | 0,093 | | 34 | 56 | 120 | 624 | 10,4 | TO-247 |
| STW45N60DM2AG | 600 | 0,093 | | 34 | 56 | 120 | 624 | 10,4 | TO-247 |
| STW45N60DM2AG | 600 | 0,093 | | 34 | 56 | 120 | 624 | 10,4 | TO-247 |
| STB35N60DM2 | 600 | 0,110 | – | 28 | 54 | 120 | 612 | 10,2 | D2PAK |
| STB37N60DM2AG | 600 | 0,110 | Yes | 28 | 54 | 120 | 612 | 10,2 | D2PAK |
| STF35N60DM2 | 600 | 0,110 | | 28 | 54 | 120 | 612 | 10,2 | TO-220FP |
| STP35N60DM2 | 600 | 0,110 | – | 28 | 54 | 120 | 612 | 10,2 | TO-220 |
| STW35N60DM2 | 600 | 0,110 | – | 28 | 54 | 120 | 612 | 10,2 | TO-247 |
| STW37N60DM2AG | 600 | 0,110 | Yes | 28 | 54 | 120 | 612 | 10,2 | TO-247 |
| STWA37N60DM2AG (*) | 600 | 0,110 | YES | 28 | 54 | 120 | 612 | 10,2 | TO -247 long leads |
| STB36NM60ND | 600 | 0,110 | Yes | 29 | 80,4 | 175 | 1400 | 16 | D2PAK |
| STW36NM60ND | 600 | 0,110 | Yes | 29 | 80,4 | 175 | 1400 | 16 | TO-247 |
| STB33N60DM2 | 600 | 0,130 | – | 24 | 43 | 120 | 530 | 8,8 | D2PAK |
| STF33N60DM2 | 600 | 0,130 | – | 24 | 43 | 120 | 530 | 8,8 | D2PAK |
| STP33N60DM2 | 600 | 0,130 | – | 24 | 43 | 120 | 530 | 8,8 | TO-220FP |
| STW33N60DM2 | 600 | 0,130 | – | 24 | 43 | 120 | 530 | 8,8 | TO-220 |
| STL33N60DM2 | 600 | 0,140 | – | 21 | 43 | 120 | 530 | 8,8 | PowerFLAT 8x8 HV |
| STB27NM60ND | 600 | 0,160 | Yes | 21 | 80 | 160 | 1000 | 15 | D2PAK |
| STW27NM60ND | 600 | 0,160 | Yes | 21 | 80 | 160 | 1000 | 15 | TO-247 |
| STB28N60DM2 | 600 | 0,160 | – | 22 | 34 | 110 | 407 | 7,4 | D2PAK |
| STP28N60DM2 | 600 | 0,160 | – | 22 | 34 | 110 | 407 | 7,4 | TO-220 |
| STW28N60DM2 | 600 | 0,160 | – | 22 | 34 | 110 | 407 | 7,4 | TO-247 |
| STF28N60DM2 | 600 | 0,160 | – | 22 | 34 | 110 | 407 | 7,4 | TO-220FP |
| STL28N60DM2 | 600 | 0,175 | – | 21 | 34 | 110 | 407 | 7,4 | PowerFLAT 8x8 HV |
| STB24N60DM2 | 600 | 0,200 | – | 18 | 29 | 155 | 956 | 12,5 | D2PAK |
| STF24N60DM2 | 600 | 0,200 | – | 18 | 29 | 155 | 956 | 12,5 | TO-220FP |
| STP24N60DM2 | 600 | 0,200 | – | 18 | 29 | 155 | 956 | 12,5 | TO-220 |
| STW24N60DM2 | 600 | 0,200 | – | 18 | 29 | 155 | 956 | 12,5 | TO-247 |
| STL24N60DM2 | 600 | 0,220 | – | 18 | 29 | 155 | 956 | 12,5 | PowerFLAT 8x8 HV |
| STB18N60DM2 | 600 | 0,295 | – | 12 | 20 | 125 | 675 | 11 | D2PAK |
| STP18N60DM2 | 600 | 0,295 | – | 12 | 20 | 125 | 675 | 11 | TO-220 |
| STW18N60DM2 | 600 | 0,295 | – | 12 | 20 | 125 | 675 | 11 | TO-247 |
| STF18N60DM2 | 600 | 0,295 | – | 12 | 20 | 125 | 675 | 11 | TO-220FP |
| STL19N60DM2 | 600 | 0,320 | | 11 | 20 | 125 | 675 | 11 | PowerFLAT 8x8 HV |
| STD13N60DM2 (*) | 600 | 0,365 | – | 12 | 20 | 90 | 252 | 5,6 | DPAK |

Note: * coming soon

N-channel fast recovery diode

| Part Number | VDSS (V) | $R_{DS(on)}$ (max) @ VGS 10 V (Ω) | Automotive Grade | $I_{D(Cont)}$ (A) | Qg (typ) (nC) | Trr (typ) (ns) | Qrr (typ) (nC) | Peak Reverse Current (IRRM) nom (A) | Package |
|-----------------|----------|--|------------------|-------------------|---------------|----------------|----------------|-------------------------------------|------------------|
| STF13N60DM2 (*) | 600 | 0,365 | – | 12 | 20 | 90 | 252 | 5,6 | TO-220FP |
| STL13N60DM2 (*) | 600 | 0,380 | – | 12 | 20 | 90 | 252 | 5,6 | PowerFLAT 5x6 HV |
| STD13NM60ND | 600 | 0,380 | – | 11 | 24,5 | 150 | 755 | 12 | DPAK |
| STF13NM60ND | 600 | 0,380 | – | 11 | 24,5 | 150 | 755 | 12 | TO-220FP |
| STP11N60DM2 (*) | 600 | 0,420 | – | 11 | 16 | 90 | – | – | TO-220 |
| STF11N60DM2 (*) | 600 | 0,420 | – | 11 | 16 | 90 | – | – | TO-220FP |
| STD11N60DM2 (*) | 600 | 0,420 | – | 11 | 16 | 90 | – | – | DPAK |
| STF10N60DM2 (*) | 600 | 0,530 | – | 8,5 | 13 | 90 | – | – | TO-220FP |
| STD10N60DM2 (*) | 600 | 0,530 | – | 8,5 | 13 | 90 | – | – | DPAK |
| STF10NM60ND | 600 | 0,600 | – | 8 | 20 | 118 | 680 | 11 | TO-220FP |
| STP10NM60ND | 600 | 0,600 | – | 8 | 20 | 118 | 680 | 11 | TO-220 |
| STF8N60DM2 (*) | 600 | 0,600 | – | 8 | 13,5 | 80 | 188 | 4,7 | TO-220FP |
| STD8N60DM2 (*) | 600 | 0,600 | – | 8 | 13,5 | 80 | 188 | 4,7 | DPAK |
| STD10NM60ND | 600 | 0,600 | – | 8 | 20 | 118 | 680 | 11 | DPAK |
| STF10NM60ND | 600 | 0,600 | – | 8 | 20 | 118 | 680 | 11 | TO-220FP |
| STD5N60DM2 (*) | 600 | 1,550 | – | 3,5 | 8,6 | 70 | 133 | 3,8 | DPAK |

Note: * coming soon

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