

FEATURES

High DC current gain

Complementary to KTA1298

KTC3265(NPN)

MAXIMUM RATINGS (TA=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V_{CBO}	35	V
Collector-Emitter Voltage	V_{CEO}	30	V
Emitter-Base Voltage	V_{EBO}	5	V
Collector Current -Continuous	I_C	800	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_J	150	°C
Storage Temperature	T_{stg}	-55 to +150	°C



ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V_{CBO}	$I_C=100\mu A, I_E=0$	35			V
Collector-emitter breakdown voltage	V_{CEO}	$I_C=10mA, I_B=0$	30			V
Emitter-base breakdown voltage	V_{EBO}	$I_E=100\mu A, I_C=0$	5			V
Collector cut-off current	I_{CBO}	$V_{CB}=30V, I_E=0$			0.1	μA
Collector cut-off current	I_{EBO}	$V_{EB}=5V, I_C=0$			0.1	μA
DC current gain	h_{FE}	$V_{CE}=1V, I_C=100mA$	100		320	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C=500mA, I_B=20mA$			0.5	V
base-emitter voltage	V_{BE}	$V_{CE}=1V, I_C=10mA$	0.5		0.8	V
Transition frequency	f_T	$V_{CE}=5V, I_C=10mA$ $f=100MHz$		120		MHz
Collector output capacitance	C_{ob}	$V_{CB}=10V, I_E=0, f=1MHz$		13		pF

 CLASSIFICATION OF h_{FE}

Marking	EO	EY		
Range	100-200	160-320		

KTC3265 Typical Characteristics

