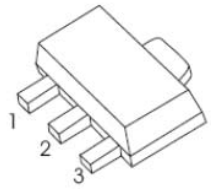
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOT-89-3L Plastic-Encapsulate Transistors

KTA1663 TRANSISTOR (PNP)

SOT-89-3L



1. BASE
2. COLLECTOR
3. EMITTER

FEATURES

- High current applications
- Complementary to KTC4375

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-30	V
V_{CEO}	Collector-Emitter Voltage	-30	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current -Continuous	-1.5	A
P_C	Collector Power Dissipation	500	mW
T_J	Junction Temperature	150	℃
T_{stg}	Storage Temperature	-55~150	℃

ELECTRICAL CHARACTERISTICS (T_a=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	I_C=-1mA, I_E=0	-30			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	I_C=-10mA, I_B=0	-30			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I_E=-1mA, I_C=0	-5			V
Collector cut-off current	I_{CBO}	V_{CB}=-30V, I_E=0			-0.1	μA
Emitter cut-off current	I_{EBO}	V_{EB}=-5V, I_C=0			-0.1	μA
DC current gain	h_{FE}	V_{CE}=-2V, I_C=-0.5A	100		320	
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C=-1.5A, I_B=-30mA			-2	V
Base-emitter voltage	V_{BE}	V_{CE}=-2V, I_C=-0.5A			-1	V
Transition frequency	f_T	V_{CE}=-2V, I_C=-500mA		120		MHz
Collector output capacitance	C_{ob}	V_{CB}=-10V, I_E=0,f=1MHz			50	MHz

CLASSIFICATION OF h_{FE}

Rank	O	Y
Range	100-200	160-320