PNP POWER TRANSISTOR

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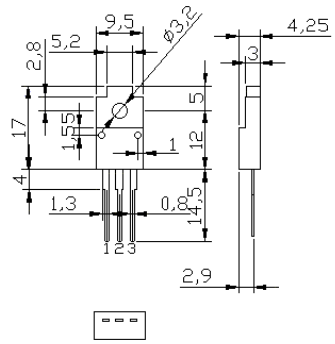

1 : Base
2 : Collector
3 : Emitter

Weight: 2.1g Unit in mm

MAXIMUM RATINGS (T_a = 25 °C)

Characteristic	Symbol	Value	Unit
Collector Base Voltage	V_{CBO}	-60	V
Collector Emitter Voltage	V_{CEO}	-60	V
Emitter Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-3	A
Collector Current (Peak)	I_{CP}	-6	A
Collector Dissipation	P_C	2	W
Collector Dissipation T_c= 25 °C	P_C	30	W
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 ~ 150	°C

ELECTRICAL CHARACTERISTICS (T_a = 25 °C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Collector Cutoff Current	I_{CBO}	V_{CB}=-60V	-	-	-10	μA
Emitter Cutoff Current	I_{EBO}	V_{EB}=-4V	-	-	-10	μA
Collector Base Breakdown Voltage	$V_{(BR)CBO}$	I_C=-50μA	-60	-	-	V
Collector Emitter Breakdown Voltage	$V_{(BR)CEO}$	I_C=-1mA	-60	-	-	V
Emitter Base Breakdown Voltage	$V_{(BR)EBO}$	I_C=-50μA	-5	-	-	V
DC Current Gain	h_{FE}	V_{CE}=-5V, I_C=-0.5A	100	-	320	-
Collector Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-2A, I_B=-0.2A	-	-	-1.5	V
Base Emitter Voltage	$V_{BE(sat)}$	I_C=-2A, I_B=-0.2A	-	-	-1.5	V
Transition Frequency	f_T	V_{CE}=-5V, I_E=-0.5A, f=5MHz	-	15	-	MHz
Output Capacitance	C_{ob}	V_{CB}=-10V, I_E=0, f=1MHz	-	80	-	pF

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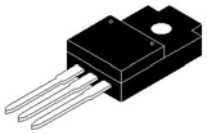

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