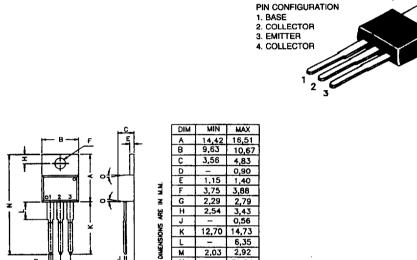
查询TIP122 供应商



TIP120, TIP121, TIP122 TIP125, TIP126, TIP127

NPN PLASTIC POWER TRANSISTORS TIP120, 121, 122 PNP PLASTIC POWER TRANSISTORS TIP125, 126, 127 Power Darlingtons for Linear and Switching Applications



2,03

7 DEG

2,92

31.24

M

N

0

Ę

ABSOLUTE MAXIMUM RATINGS

м

Collector-base voltage (open emitter) Collector-emitter voltage (open base) Collector current Total power dissipation up to $T_C = 25^{\circ}C$ Junction temperature Collector-emitter saturation voltage $I_C = 3 \text{ A}; \text{B} = 12 \text{ mA}$ D.C. current gain $I_C = 0.5 \text{ A}; V_{CE} = 3 \text{ V}$	VCBO VCEO IC Ptot Tj VCEsat	max. max. max. max. max. max. max.	120 125 60 60	121 126 80 80 5.0 65 150 2.0 1.0	122 127 100 100	V V W ℃ V	
RATINGS (at $T_A=25^{\circ}$ C unless otherwise specific Collector-base voltage (open emitter) Collector-emitter voltage (open base) Emitter-base voltage (open collector)		max. max. max.	120 125 60 .60	121 126 80 80 5.0	122 127 100 100	v v v	

3-126

🔳 2383394 0001175 921 🔳

Collector current Collector current (peak) Base current Total power dissipation up to $T_C = 25^{\circ}C$ Derate above $25^{\circ}C$ Total power dissipation up to $T_A = 25^{\circ}C$ Derate above $25^{\circ}C$ Junction temperature Storage temperature	IC ICM IB Ptot Ptot Tj Tstg	max. max. max. max. max max. max. max.	-6	5.0 8 120 65 0.52 2 0.016 150 -65 to +150		
THERMAL RESISTANCE From junction to ambient From junction to case	R _{th j–a} R _{th j–c}			62.5 1.92		℃/W ℃/W
CHARACTERISTICS $T_{amb} = 25^{\circ}C$ unless otherwise specified			120 125	121 126	122 127	
Collector cutoff current $I_E = 0$; $V_{CB} = 60 V$ $I_E = 0$; $V_{CB} = 80 V$ $I_B = 0$; $V_{CB} = 100 V$ $I_B = 0$; $V_{CE} = 30V$ $I_B = 0$; $V_{CE} = 40V$ $I_B = 0$; $V_{CE} = 50V$ Emitter cut-off current $I_C = 0$; $V_{EB} = 5 V$ Breakdown voltages $I_C = 100 mA$; $I_B = 0$	ICBO ICBO ICBO ICEO ICEO ICEO ICEO ICEO VCEO(sus)*	max. max. max. max. max. max. max.	0.2 - 0.5 - -	0.2 - 0.5 - 2.0 80	- 0.2 - 0.5	mA mA mA mA mA mA
$I_{C} = 1 \text{ mA}; I_{E} = 0$ $I_{E} = 1 \text{ mA}; I_{C} = 0$ Saturation voltages $I_{C} = 3.0 \text{ A}; I_{B} = 12 \text{ mA}$	VCBO VEBO VCEsat*	min. min. max.	60	80 5.0 2.0	100	Ŭ V V
$I_C = 5.0 \text{ A}; I_B = 20 \text{ mA}$ Base-emitter on voltage $I_C = 3A; V_{CE} = 3V$ D.C. current gain	V _{CEsat} * V _{BE(on)} *	max. max.		4.0 2.5		v v
$I_{C} = 0.5A; V_{CE} = 3V$ $I_{C} = 3A; V_{CE} = 3V$ Small signal current gain $I_{C} = 3A; V_{CE} = 4V; f = 1 \text{ MHz}$	h _{FE} *	min. min. min.		1.0 1.0 4.0		K K
Output capacitance at $f = 0.1 \text{ MHz}$ $I_E = 0$; $V_{CB} = 10V$ PNP NPN	Co Co	max. max.		300 200		pF pF

* Pulse test: pulse width \leq 300 µs; duty cycle \leq 2%.

3-127

2383394 0001176 868 📖

This Material Copyrighted By Its Respective Manufacturer