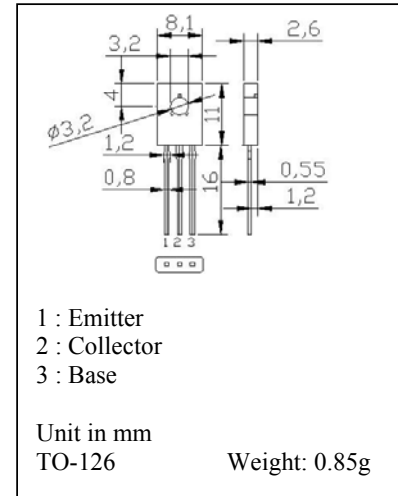


PNP COMPLEMENTARY SILICON PLASTIC POWER TRANSISTOR

MAXIMUM RATINGS

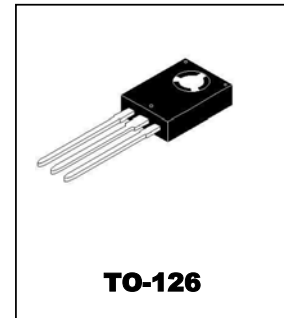
Characteristic	Symbol	Value	Unit
Collector Base Voltage	V_{CBO}	80	V
Collector Emitter Voltage	V_{CEO}	100	V
Emitter Base Voltage	V_{EB}	5.0	V
Collector Current	I_C	1.5	A
Base Current	I_E	0.5	A
Total Device Dissipation @ $T_c = 25\text{ }^\circ\text{C}$	P_D	12.5	W
Junction Temperature	T_j	150	$^\circ\text{C}$



ELECTRICAL CHARACTERISTICS ($T_c = 25\text{ }^\circ\text{C}$)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Collector-Emitter Sustaining Voltage	$V_{CBO(SUS)}$	$I_C = 30\text{mA}, I_B = 0$	45	-	-	V
Collector Cutoff Current	I_{CBO}	$V_{CB} = 30\text{V}, I_E = 0$	-	-	0.1	μA
Emitter Cutoff Current	I_{EBO}	$V_{BE} = 5\text{V}, I_C = 0$	-	-	10	μA
DC Current Gain	h_{FE}	$I_C = 5\text{mA}, V_{CE} = 2\text{V}$	25	-	-	-
		$I_C = 150\text{mA}, V_{CE} = 2\text{V}$				
		BD136	40	-	250	-
		BD136-06	40	-	100	-
		BD136-10	63	-	160	-
		$I_C = 0.5\text{A}, V_{CE} = 2\text{V}$	100	-	250	-
			25	-	-	-
Collector Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 0.5\text{A}, I_B = 50\text{mA}$	-	-	0.5	V
Base-Emitter on Voltage	$V_{BE(on)}$	$I_C = 0.5\text{A}, V_{CE} = 2\text{V}$	-	-	1.0	V

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