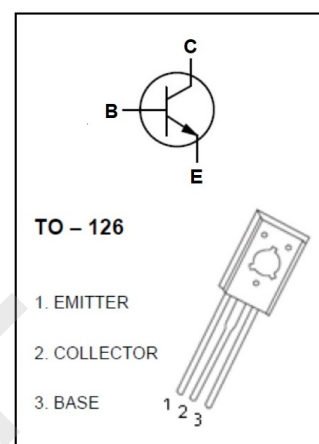


- **Package: TO-126**

Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Rating	Unit
Collector-base voltage	BV_{CBO}	30	V
Collector-emitter voltage	BV_{CEO}	25	V
Emitter-base voltage	BV_{EBO}	15	V
Collector current	I_C	2	A
Peak Collector current	I_{CM}	4	A
Collector Power Dissipation	P_C	1.2	W
	P_C	Ta = 25°C 15	
Junction Temperature	T_j	150	°C
Storage Temperature	T_{stg}	-55 ~ +150	°C


Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	BV_{CBO}	$I_C=10\mu A, I_E=0$	30			V
Collector-Emitter Breakdown Voltage	BV_{CEO}	$I_C=1mA, I_B=0$	25			V
Emitter-Base Breakdown Voltage	BV_{EBO}	$I_E=10\mu A, I_C=0$	15			V
collector-base cut-off current	I_{CBO}	$V_{CB}=20V, I_E=0$			0.1	μA
emitter-base cut-off current	I_{EBO}	$V_{EB}=10V, I_C=0$			0.1	μA
DC current gain	H_{FE1}	$V_{CE}=5V, I_C=0.5A$	800		3200	
	H_{FE2}	$V_{CE}=5V, I_C=1A$	600			
collector-emitter saturation voltage	V_{CESAT}	$I_C=1A, I_B=20mA$			0.5	V
Base-Emitter Voltage	V_{BESAT}	$I_C=1A, I_B=20mA$			1.2	
Transition frequency	f_T	$V_{CE}=10V, I_C=50mA$		260		MHz