

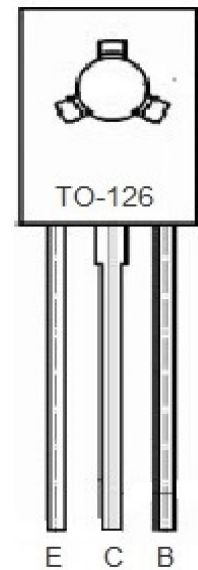
MJE340

Package: TO-126

Complement to MJE350

Maximum Ratings (Ta = 25°)

Parameter	Symbol	Rating	Unit
Collector-base voltage	BV_{CBO}	300	V
Collector-emitter voltage	BV_{CEO}	300	V
Emitter-base voltage	BV_{EBO}	5	V
Collector current	I_{CM}	500	mA
Collector Power Dissipation	P_C	1.25	W
	$P_C(T_C = 25^\circ)$	20	
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}	$I_C=1mA, I_E=0$	300			V
Collector-Emitter Breakdown Voltage	BV_{CEO}	$I_C=1mA, I_B=0$	300			V
Emitter-Base Breakdown Voltage	BV_{EBO}	$I_E=1mA, I_C=0$	5			V
collector-base cut-off current	I_{CBO}	$V_{CB}=300V, I_E=0$			100	μA
emitter-base cut-off current	I_{EBO}	$V_{EB}=3V, I_C=0$			100	μA
DC current gain	H_{FE1}	$V_{CE}=10V, I_B=50mA$	30		240	
collector-emitter saturation voltage	$V_{CE(SAT)}$	$I_C=50mA, I_B=5mA$			1.0	V