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MJE350

High Voltage General Purpose Applications High Collector-Emitter Breakdown Voltage

- Suitable for Transformer
- Complement to MJE340



..PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_C=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Value	Units	
V _{CBO}	Collector-Base Voltage	- 300	V	
V _{CEO}	Collector-Emitter Voltage	- 300	V	
V _{EBO}	Emitter-Base Voltage	- 5	V	
I _C	Collector Current	- 500	mA	
P _C	Collector Dissipation (T _C =25°C)	20	W	
T _J	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	- 65 ~ 150	°C	

Electrical Characteristics $T_C=25$ °C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
BV _{CEO}	Collector-Emitter Breakdown Voltage	$I_C = -1 \text{ mA}, I_B = 0$	-300		V
I _{CBO}	Collector Cut-off Current	$V_{CB} = -300V, I_{E} = 0$		-100	μА
I _{EBO}	Emitter Cut-off Current	$V_{BE} = -3V, I_{C} = 0$		-100	μА
h _{FE}	DC Current Gain	$V_{CE} = -10V, I_{C} = -50mA$	30	240	

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Typical Characteristics

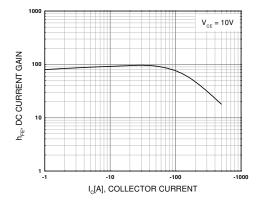


Figure 1. DC current Gain

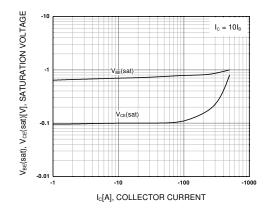


Figure 2. Base-Emitter Saturation Voltage Collector-Emitter Saturation Voltage

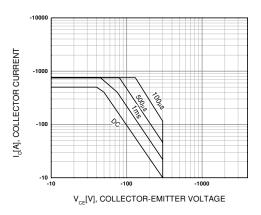


Figure 3. Safe Operating Area

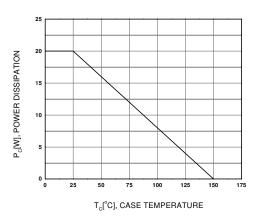
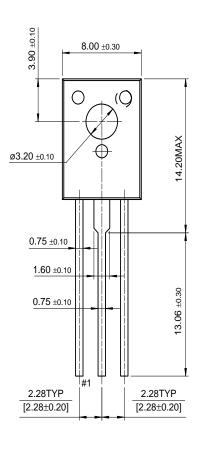
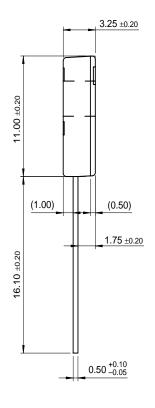


Figure 4. Power Derating

Package Demensions

TO-126





Dimensions in Millimeters

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