

SEMICONDUCTOR TM

# **MJE340**

### **High Voltage General Purpose Applications**

- High Collector-Emitter Breakdown Voltage
- Suitable for Transformer
- Complement to MJE350



# **NPN Epitaxial Silicon Transistor**

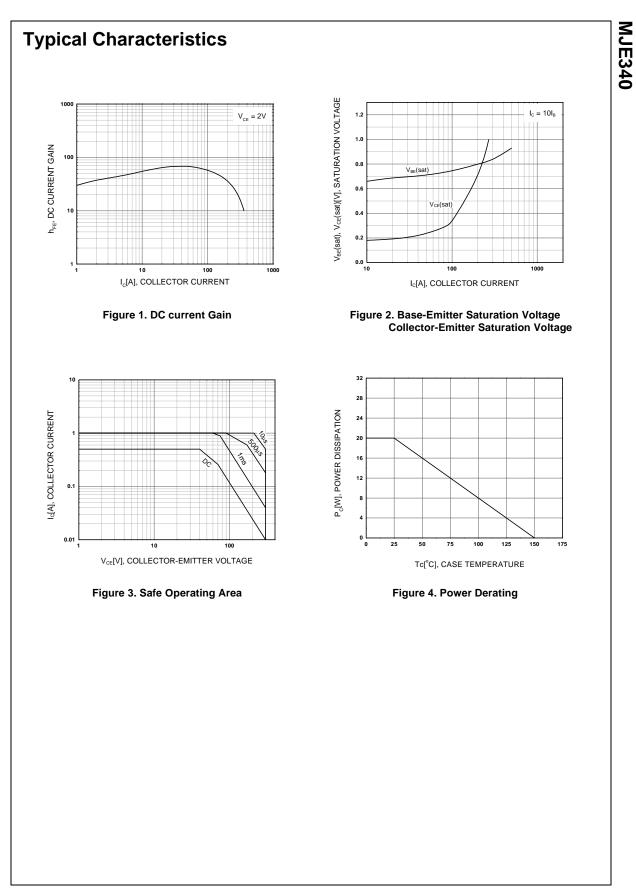
## Absolute Maximum Ratings $T_{C}=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Value	Units	
V <sub>CBO</sub>	Collector-Base Voltage	300	V	
V <sub>CEO</sub> Collector-Emitter Voltage		300	V	
V <sub>EBO</sub>	Emitter-Base Voltage	5	V	
I <sub>C</sub>	Collector Current	500	mA	
Pc	Collector Dissipation (T <sub>C</sub> =25°C)	20	W	
Т <sub>Ј</sub>	Junction Temperature	150	°C	
T <sub>STG</sub>	Storage Temperature	- 65 ~ 150	°C	

## Electrical Characteristics $T_C=25^{\circ}C$ unless otherwise noted

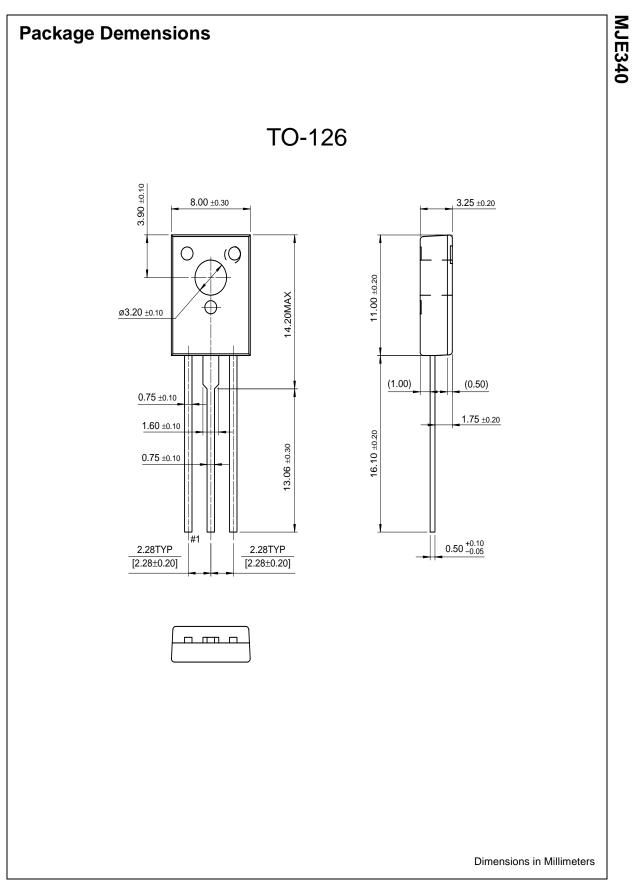
Symbol	Parameter	Test Condition	Min.	Max.	Units
BV <sub>CEO</sub>	Collector-Emitter Breakdown Voltage	$I_{\rm C} = 1 {\rm mA},  I_{\rm B} = 0$	300		V
I <sub>CBO</sub>	Collector Cut-off Current	V <sub>CB</sub> = 300V, I <sub>E</sub> =0		100	μA
I <sub>EBO</sub>	Emitter Cut-off Current	$V_{BE} = 3V, I_{C}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

# **MJE340**



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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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