

SEMICONDUCTOR

MJD340

High Voltage Power Transistors D-PAK for Surface Mount Applications

- Lead Formed for Surface Mount Applications (No Suffix)
 Straight Lead (I-PAK, "- I" Suffix)



NPN Epitaxial Silicon Transistor

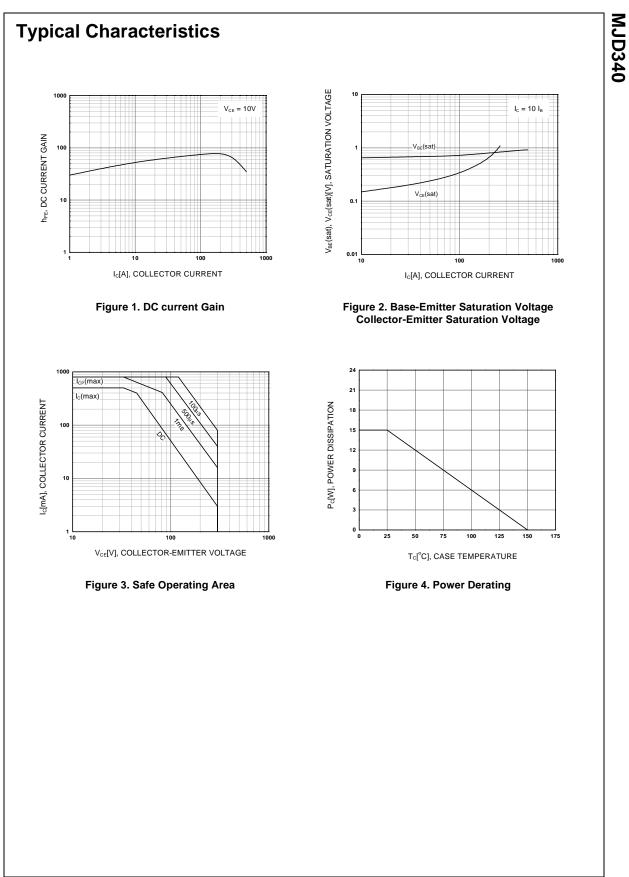
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	300	V
V _{CEO}	Collector-Emitter Voltage	300	V
V _{EBO}	Emitter-Base Voltage	3	V
I _C	Collector Current (DC)	0.5	А
I _{CP}	Collector Current (Pulse)	0.75	А
P _C	Collector Dissipation (T _C =25°C)	15	W
	Collector Dissipation (T _a =25°C)	1.56	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 65 ~ 150	°C

Absolute Maximum Ratings T_C=25°C unless otherwise noted

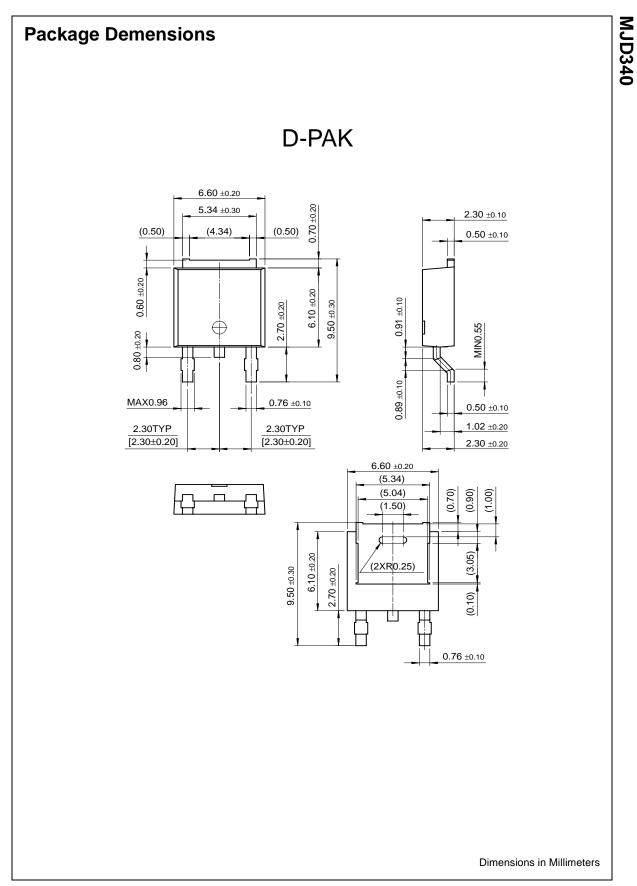
Electrical Characteristics T_C=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
V _{CEO} (sus)	* Collector Emitter Sustaining Voltage	$I_{\rm C} = 1 {\rm mA}, \ I_{\rm B} = 0$	300		V
I _{CEO}	Collector Cut-off Current	V _{CB} = 300V, I _E =0		0.1	mA
I _{EBO}	Emitter Cut-off Current	$V_{EB} = 3V, I_{C} = 0$		0.1	mA
h _{FE}	* DC Current Gain	$V_{CE} = 10V, I_{C} = 50mA$	30	240	

Pulse Test: PW≤300µs, Duty Cycle≤2%



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