

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

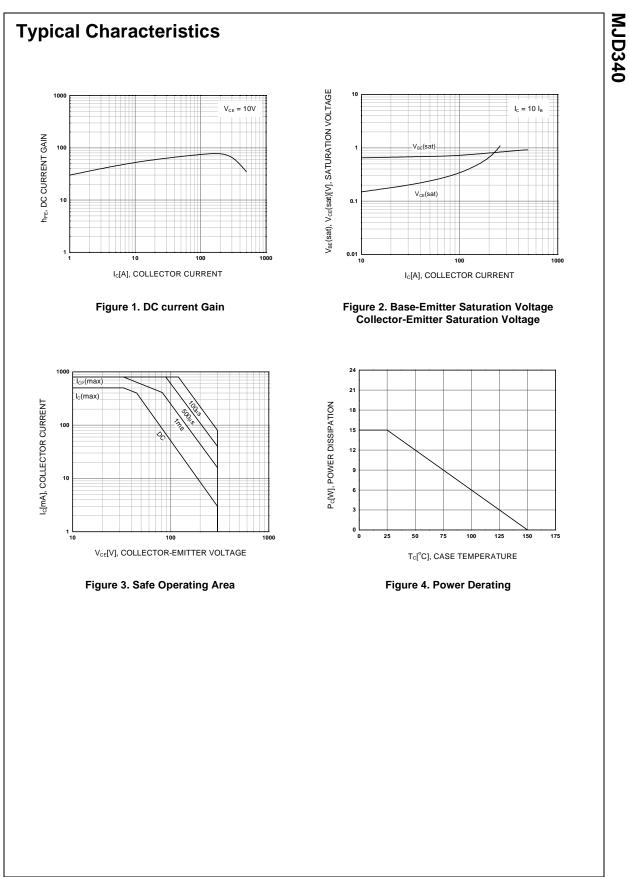
Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	300	V
V _{CEO}	Collector-Emitter Voltage	300	V
V _{EBO}	Emitter-Base Voltage	3	V
I _C	Collector Current (DC)	0.5	А
I _{CP}	Collector Current (Pulse)	0.75	А
Pc	Collector Dissipation (T _C =25°C)	15	W
	Collector Dissipation (T _a =25°C)	1.56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

Absolute Maximum Ratings T_C=25°C unless otherwise noted

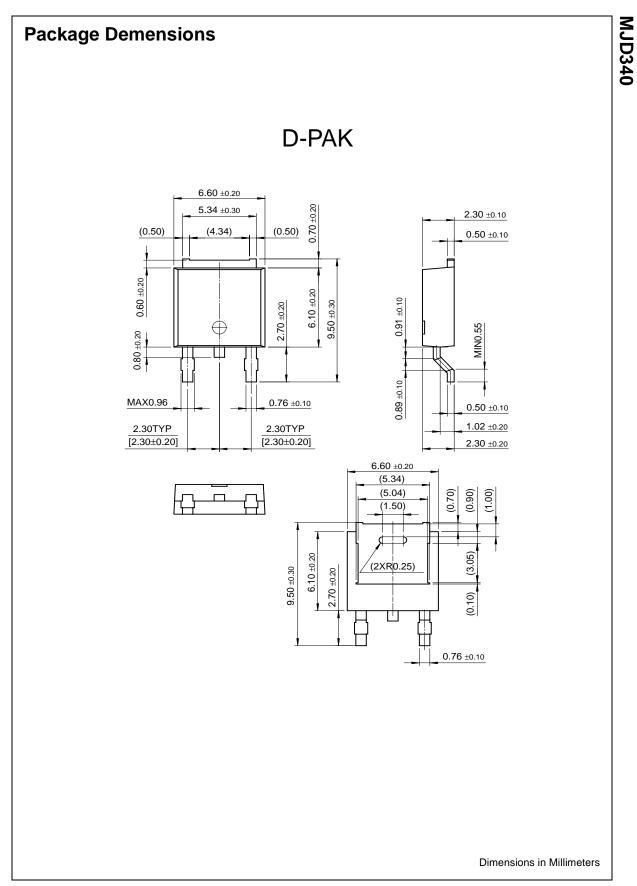
Electrical Characteristics T_C=25°C unless otherwise noted

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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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.

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Product status/pricing/packaging

J		Pricing*	Package type	Leads	Packing method
MJD340TF Fi	ull Production	\$0.295	TO-252(DPAK)	2	TAPE REEL

* 1,000 piece Budgetary Pricing

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