

# **Excellent Integrated System Limited**

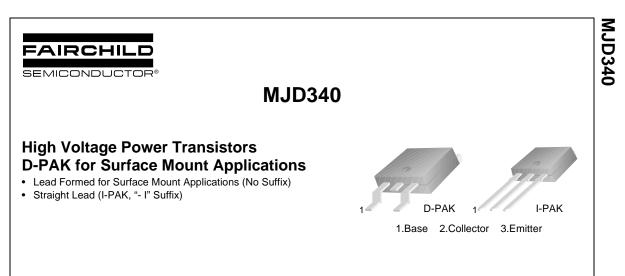
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Fairchild Semiconductor MJD340TF

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>





## **NPN Epitaxial Silicon Transistor**

Absolute Maximum Ratings T<sub>C</sub>=25°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	3	V
I <sub>C</sub>	Collector Current (DC)	0.5	А
I <sub>CP</sub>	Collector Current (Pulse)	0.75	А
P <sub>C</sub>	Collector Dissipation (T <sub>C</sub> =25°C)	15	W
	Collector Dissipation (T <sub>a</sub> =25°C)	1.56	W
Tj	Junction Temperature	150	°C
T <sub>STG</sub>	Storage Temperature	- 65 ~ 150	°C

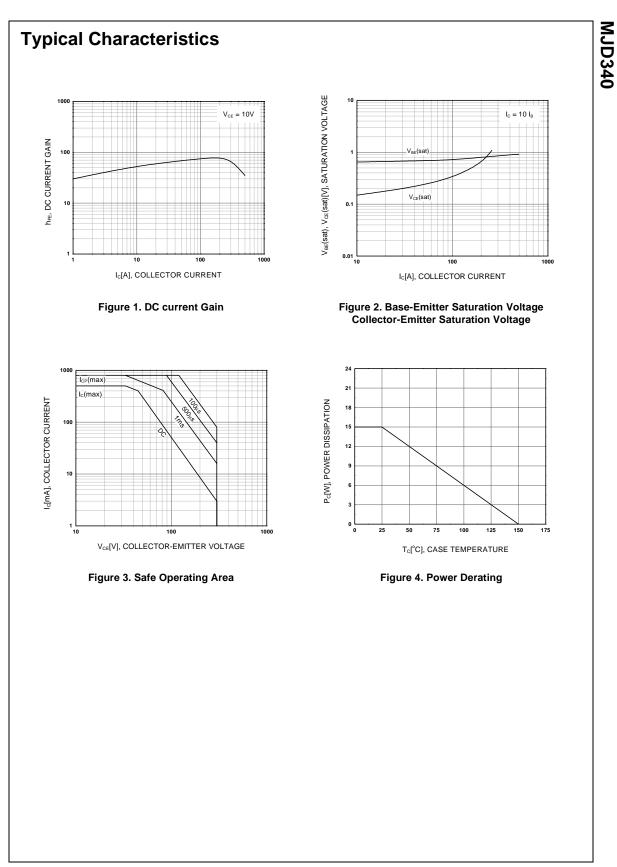
### Electrical Characteristics T<sub>C</sub>=25°C unless otherwise noted

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

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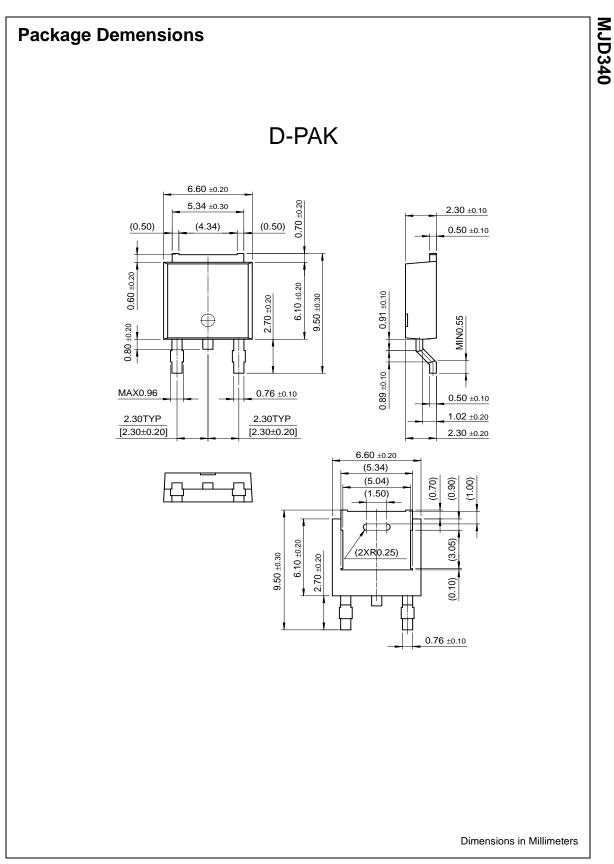
**Distributor of Fairchild Semiconductor: Excellent Integrated System Limited** Datasheet of MJD340TF - TRANS NPN 300V 0.5A DPAK Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



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