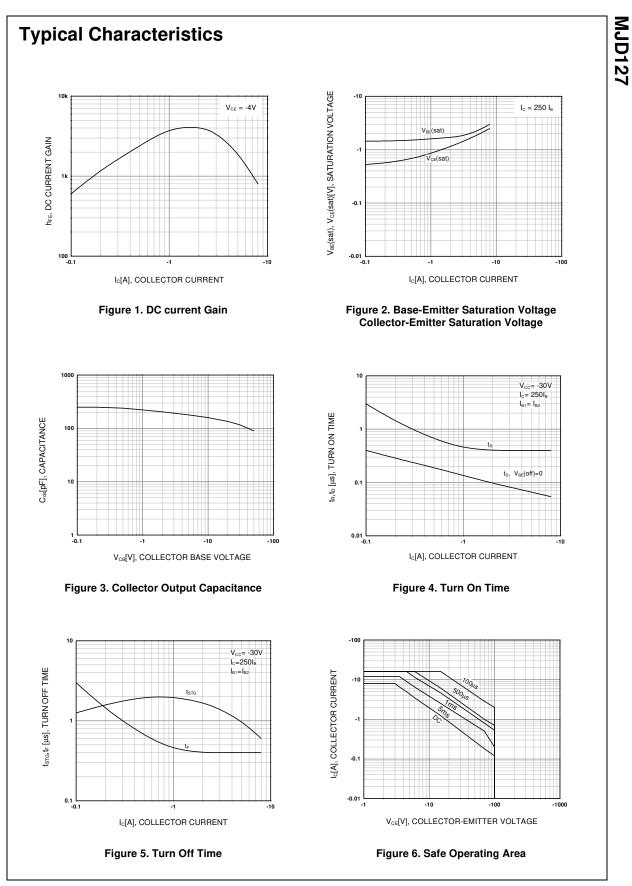


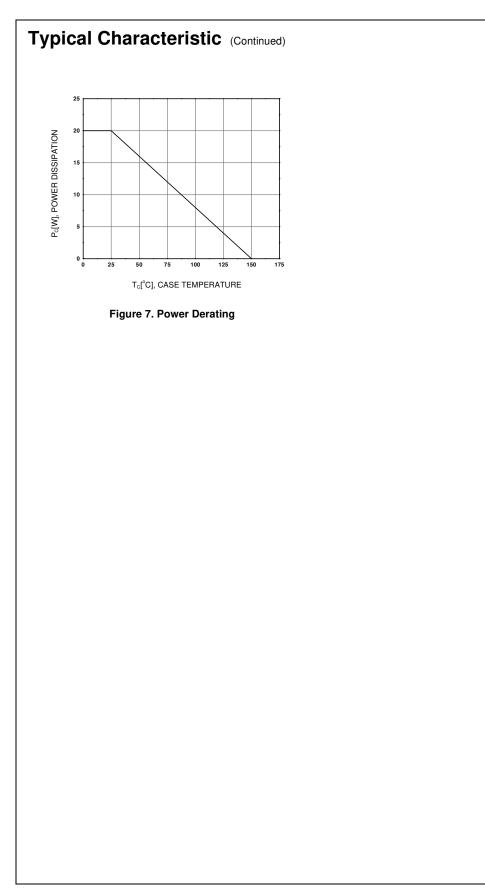
Symbol	Parameter	Test Condition	Min.	Max.	Units
V <sub>CEO</sub> (sus)	*Collector-Emitter Sustaining Voltage	$I_{\rm C} = -30 {\rm mA}, \ I_{\rm B} = 0$	- 100		V
I <sub>CEO</sub>	Collector Cut-off Current	$V_{CE} = -50V, I_{B} = 0$		- 10	μA
I <sub>CBO</sub>	Collector Cut-off Current	$V_{CB} = -100V, I_{E} = 0$		- 10	μA
I <sub>EBO</sub>	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$		- 2	mA
h <sub>FE</sub>	*DC Current Gain	$V_{CE} = -4V, I_C = -4A$ $V_{CE} = -4V, V_{EB} = -8A$	1000 100	12K	
V <sub>CE</sub> (sat)	*Collector-Emitter Saturation Voltage	I <sub>C</sub> = - 4A, I <sub>B</sub> = - 16mA I <sub>C</sub> = - 8A, I <sub>B</sub> = - 80mA		- 2 - 4	V V
V <sub>BE</sub> (sat)	*Base-Emitter Saturation Voltage	I <sub>C</sub> = - 8A, I <sub>B</sub> = - 80mA		- 4.5	V
V <sub>BE</sub> (on)	*Base-Emitter ON Voltage	$V_{CE} = -4V, I_{C} = -4A$		- 2.8	V
C <sub>ob</sub>	Output Capacitance	V <sub>CB</sub> = - 10V, I <sub>E</sub> = 0 f= 0.1MHz		300	pF

\* Pulse Test: PW≤300µs, Duty Cycle≤2%

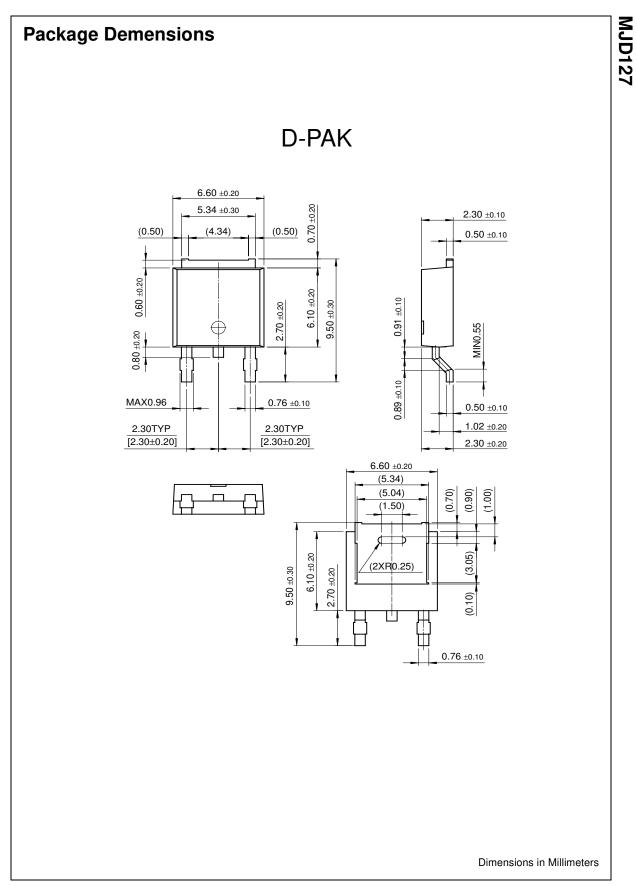


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MJD127



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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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find products	Home >> Find products >>		
Products groups         Analog and Mixed         Signal         Discrete         Interface         Logic         Microcontrollers         Non-Volatile         Memory         Optoelectronics         Markets and         applications	MJD127 PNP Silicon Darlington Transistor Contents Features   Applications   Product status/pricing/packaging Features • High DC Current Gain • Built-in Damper Diode at E-C	Datasheet <u>Download this</u> <u>datasheet</u> <u>PDF</u> <u>e-mail this datasheet</u> <u>[E-</u> This page <u>Print version</u>	Related Links  Request samples  Dotted line How to order products  Dotted line Product Change Notices (PCNs)  Dotted line Support  Dotted line Distributor and field sales representatives  Dotted line Quality and reliability
New products Product selection and parametric search Cross-reference search technical information buy products	<ul> <li>Load Formatted for Surface Mount Applications(No Suffix)</li> <li>Straight Lead (1.PAK,"-1"Suffix)</li> <li>Electrically Similar to Popular TIP127</li> <li>Complement to MJD122</li> </ul>	•	Dotted line Design tools

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**D-PAK for Surface Mount** 

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Applications

Product status/pricing/packaging

Product	Product status	Package type	Leads	Packing method
MJD127TF	Full Production	TO-252(DPAK)	2	TAPE REEL

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