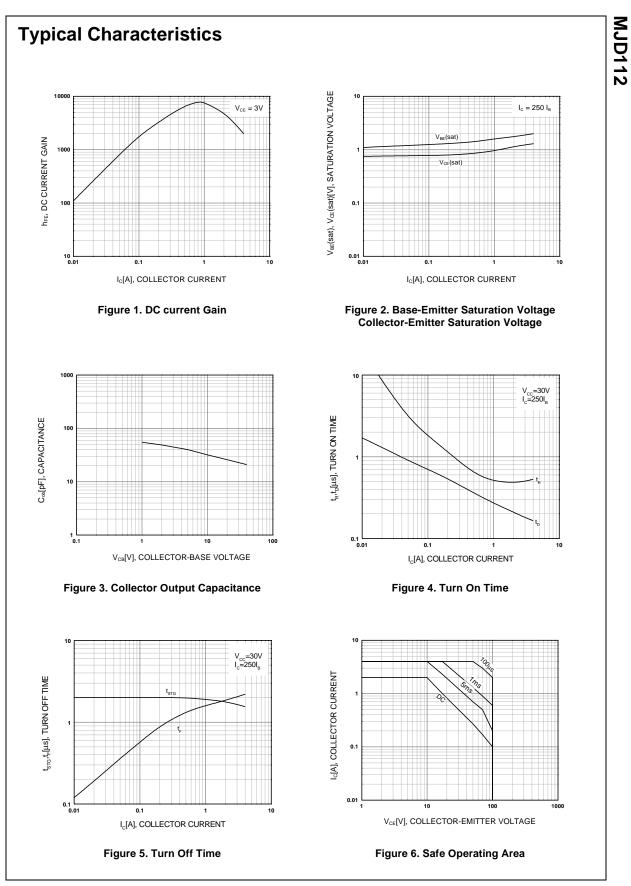


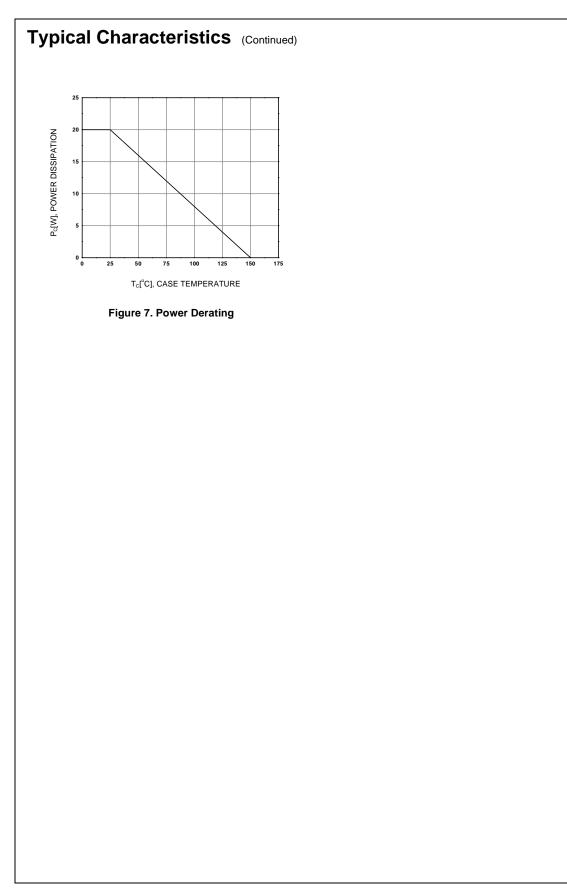
Symbol	Parameter	Test Condition	Min.	Max.	Units
V <sub>CEO</sub> (sus)	Collector-Emitter Sustaining Voltage	$I_{\rm C} = 30 {\rm mA}, I_{\rm B} = 0$	100		V
I <sub>CEO</sub>	Collector Cut-off Current	$V_{CE} = 50V, I_{B} = 0$		20	μΑ
I <sub>CBO</sub>	Collector Cut-off Current	$V_{CB} = 100V, I_B = 0$		20	μΑ
I <sub>EBO</sub>	Emitter Cut-off Current	$V_{EB} = 5V, I_{C} = 0$		2	mA
h <sub>FE</sub>	* DC Current Gain	$V_{CE} = 3V, I_C = 0.5A$ $V_{CE} = 3V, I_C = 2A$ $V_{CE} = 3V, I_C = 4A$	500 1000 200	12K	
V <sub>CE</sub> (sat)	* Collector-Emitter Saturation Voltage	$I_C = 2A$ , $I_B = 8mA$ $I_C = 4A$ , $I_B = 40mA$		2 3	V V
V <sub>BE</sub> (sat)	* Base-Emitter Saturation Voltage	$I_{\rm C} = 4$ A, $I_{\rm B} = 40$ mA		4	V
V <sub>BE</sub> (on)	* Base-Emitter ON Voltage	$V_{CE} = 3A, I_C = 2A$		2.8	V
f <sub>T</sub>	Current Gain Bandwidth Product	V <sub>CE</sub> = 10V, I <sub>C</sub> = 0.75A	25		MHz
C <sub>ob</sub>	Output Capacitance	$V_{CB} = 10V, I_E = 0$ f = 0.1MHz		100	pF

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

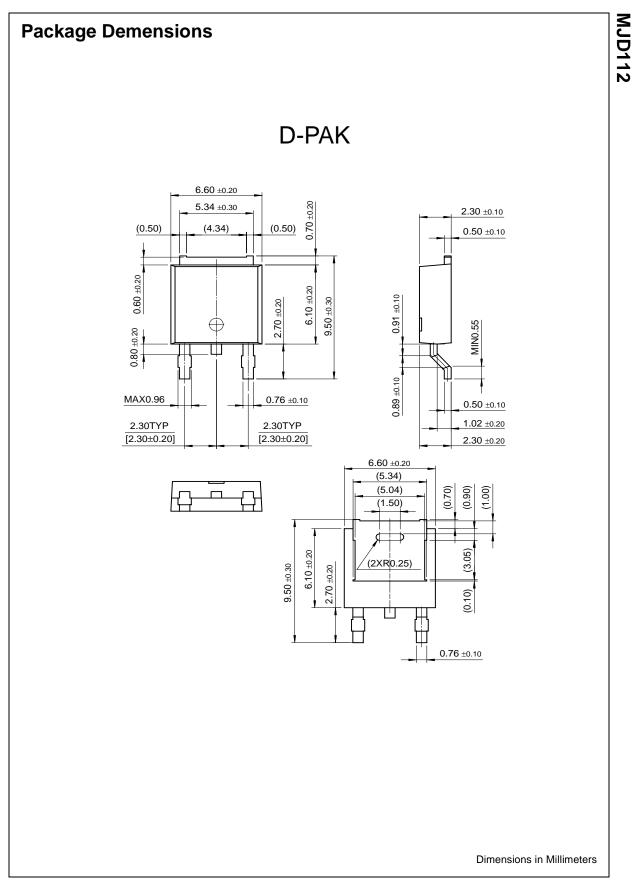


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