

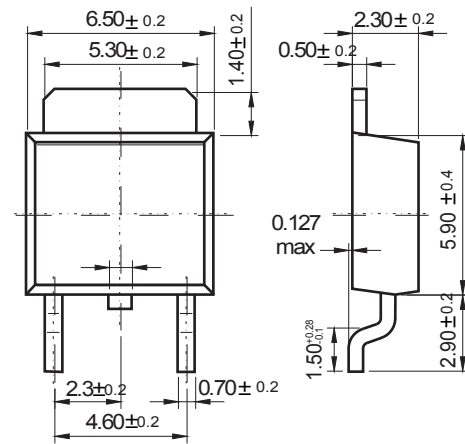
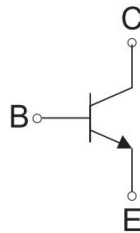
TO-252

Unit: mm

PRODUCT SUMMARY

FEATURES

Power Dissipation



Dimensions in inches and (millimeters)

ABSOLUTE MAXIMUM RATINGS (TA = 25°C, unless otherwise specified)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	VCBO	40	V
Collector-Emitter Voltage	VCEO	30	V
Emitter-Base Voltage	VEBO	6	V
Collector Current -Continuous	IC	3	A
Collector Power Dissipation	PC	1.25	W
Operation Junction and Storage Temperature Range	TJ,Tstg	-55-150	°C

D882M

ELECTRICAL CHARACTERISTICS (TA=25°C, unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V(BR)CBO	IC = 100μA, IE=0	40			V
Collector-emitter breakdown voltage	V(BR)CEO	IC = 10mA, IB=0	30			V
Emitter-base breakdown voltage	V(BR)EBO	IE= 100μA, IC=0	6			V
Collector cut-off current	ICBO	VCB= 40 V, IE=0			1	μA
Collector cut-off current	ICEO	VCE= 30 V, IB=0			10	μA
Emitter cut-off current	IEBO	VEB= 6 V, IC=0			1	μA
DC current gain	hFE	VCE= 2 V, IC= 1A	60		400	
Collector-emitter saturation voltage	VCE (sat)	IC= 2A, IB= 0.2 A			0.5	V
Base-emitter saturation voltage	VBE (sat)	IC= 2A, IB= 0.2 A			1.5	V
Transition frequency	fT	VCE= 5V, IC=0.1A f =10MHz		90		MHz

RATING AND CHARACTERISTIC CURVES (D882M)

