

SOT-23 BIPOLAR TRANSISTORS TRANSISTOR(PNP)

FEATURES

* High breakdown voltage

MECHANICAL DATA

* Case: Molded plastic

* Epoxy: UL 94V-O rate flame retardant

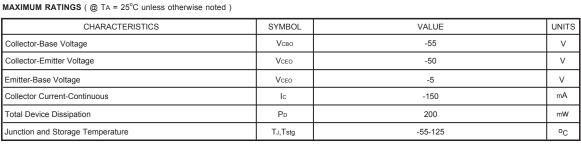
* Lead: MIL-STD-202E method 208C guaranteed

* Mounting position: Any * Weight: 0.008 gram

* Marking: M

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

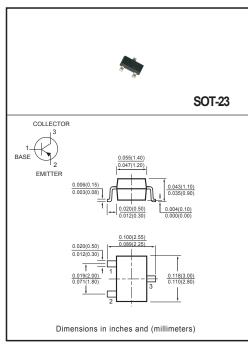
Ratings at $25\,^{\circ}\text{C}$ ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.



^{*} These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

ELECTRICAL CHARACTERISTICS (@ TA = 25°C unless otherwise noted)

CHARACTERISTICS	SYMBOL	MIN.	TYP.	MAX.	UNITS
Collector-base breakdowm voltage (Ic= -10μA, I∈= 0)	V(BR)CBO	-55	-	-	V
Collector-emitter breakdowm voltage (Ic= -1mA, IB= 0)	V(BR)CEO	-50	-	-	V
Emitter-base breakdowm voltage (I _E = -10μA, I _C = 0)	V(BR)EBO	-5	-	-	V
Collector cut-off current (VcB= -35V, IE= 0)	Ісво	-	-	-0.1	u A
Emitter cut-off current (V _{EB} = -4V, I _C = 0)	Ієво	-	-	-0.1	u A
DC current gain (VcE= -6V, lc= -1mA)	hFE	200	-	400	-
Collector-emitter saturation voltage (Ic= -50mA, IB= -5mA)	VCE(sat)	-	-	-0.5	V
Base-emitter saturation voltage (Ic= -50mA, Is= -5mA)	V _{BE} (sat)	-	-	-1.0	V
Transition frequency (VcE= -6V, Ic= -10mA)	fr	-	180	-	MHz
Collector output capacitance (VcB= -6V, IE= 0, f=1MHz)	Соь	-	4	-	pF



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