

**SOT-23 BIPOLAR TRANSISTORS
TRANSISTOR(PNP)**

FEATURES

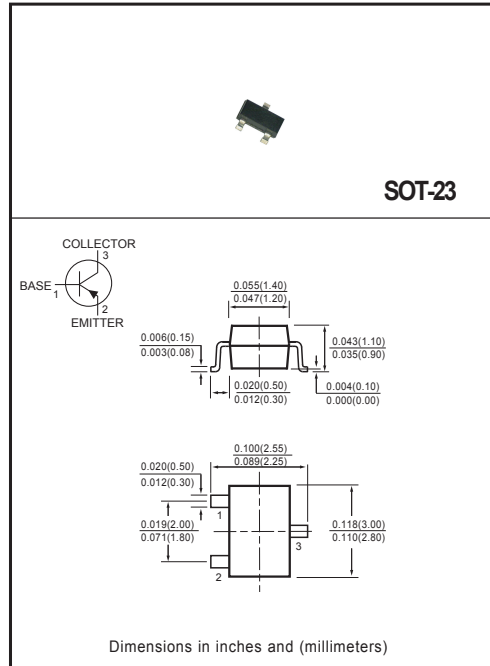
- * Power dissipation
P_{CM} : 0.2 W (T_{amb}=25°C)
- * Collector current
I_{CM} : 0.8 A
- * Collector-base voltage
V_{(BR)CBO} : 35 V
- * Operating and storage junction temperature range
T_J, T_{stg}: -55°C to +150°C

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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.



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

CHARACTERISTICS	SYMBOL	MIN	TYP	MAX	UNITS
Collector-base breakdown voltage (I _C = 100μA, I _E =0)	V _{(BR)CBO}	35	-	-	V
Collector-emitter breakdown voltage (I _C = 10mA, I _B =0)	V _{(BR)CEO}	30	-	-	V
Emitter-base breakdown voltage(I _E =10μA, I _C =0)	V _{(BR)EBO}	5	-	-	V
Collector cut-off current (V _{CB} = 35V, I _E =0)	I _{CBO}	-	-	0.1	μA
Emitter cut-off current (V _{EB} = 5V, I _C =0)	I _{EBO}	-	-	0.1	μA
DC current gain (V _{CE} = 1V, I _C = 100mA)	h _{FE(1)}	100	-	320	-
Collector-emitter saturation voltage (I _C = 500mA, I _B = 50mA)	V _{CE(sat)}	-	-	0.5	V
Transition frequency (V _{CE} = 5V, I _C = 10mA)	f _T	-	120	-	MHz
Collector output capacitance (V _{CB} = 10V, I _E =0, f= 1MHz)	C _{ob}	-	13	-	pF

CLASSIFICATION OF h_{FE(1)}

RANK	Q	Y
Range	100-200	160-320
Marking	FAO	FAY

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