

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

FEATURES

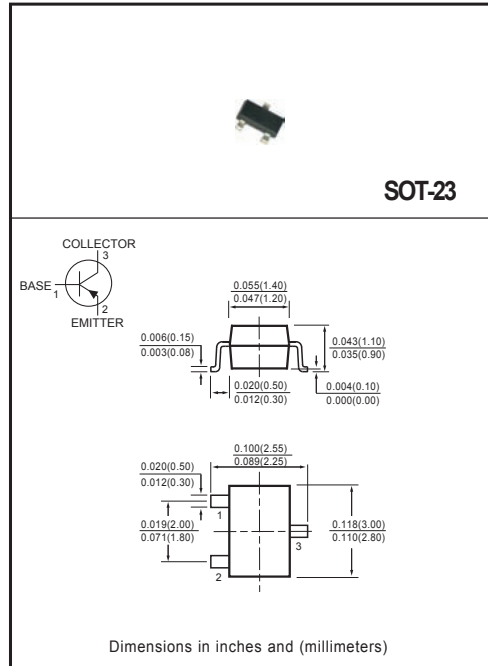
- * Power dissipation
P_{CM} : 0.225 W (T_{amb}=25°C)
- * Collector current
I_{CM} : -0.1 A
- * Collector-base voltage
V_{(BR)CBO} : -32 V
- * Operating and storage junction temperature range
T_J,T_{stg}: -55°C to +150°C

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 = -10μA, I _E =0)	V _{(BR)CBO}	-32	-	-	V
Collector-emitter breakdown voltage (I _C = -2mA, I _B =0)	V _{(BR)CEO}	-32	-	-	V
Emitter-base breakdown voltage (I _E = -10μA, I _C =0)	V _{(BR)EBO}	-5	-	-	V
Collector cut-off current (V _{CB} = -32V, I _E =0)	I _{CBO}	-	-	-0.1	μA
Collector cut-off current (V _{CE} = -30V, I _B =0)	I _{CEO}	-	-	-0.1	μA
Collector cut-off current (V _{EB} = -5V, I _C =0)	I _{EBO}	-	-	-0.1	μA
DC current gain (V _{CE} = -5V, I _C = -2mA)	h _{FE}	215	-	500	-
Collector-emitter saturation voltage (I _C = -10mA, I _B = -0.5mA)	V _{CE(sat)}	-	-	-0.3	V
Base-emitter voltage (I _C = -2mA, V _{CE} = -5V)	V _{BE(on)}	-	-	-0.75	V

CLASSIFICATION OF h_{FE}

RANK	L	H
Range	215-350	350-500

Marking	C2X
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