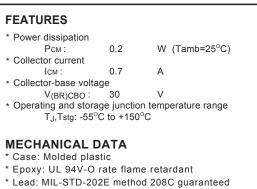




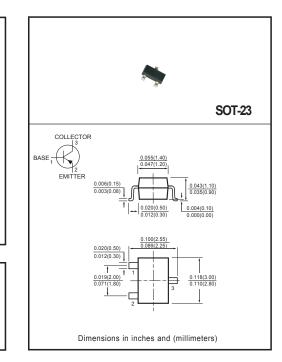
SOT-23 BIPOLAR TRANSISTORS TRANSISTOR(PNP)



- * 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 = 100 μ A, I _E =0)	V _{(BR)CBO}	30	-	-	V
Collector-emitter breakdown voltage (I _C = 1mA, I _B =0)	V _{(BR)CEO}	25	-	-	V
Emitter-base breakdown voltage (I _E = 100µA, I _C =0)	V _{(BR)EBO}	5	-	-	v
Collector cut-off current (V _{CB} = 30V, I _E =0)	I _{CBO}	-	-	0.1	μA
Emitter cut-off current (V _{EB} = 5V, I _C =0)	IEBO	-	-	0.1	μA
DC current gain (V _{CE} = 1V, I _C = 100mA)	h _{FE(1)} *	110	-	400	-
DC current gain (V _{CE} = 1V, I _C = 700mA)	h _{FE(2)} *	50	-	-	-
Collector-emitter saturation voltage (I_C = 700mA, I_B = 70mA)	V _{CE(sat)} *	-	-	0.6	V
Base-emitter voltage (V _{CE} = 6V, I _C = 10mA)	V _{BE(on)} *	0.6	-	0.7	V
Transition frequency (V _{CE} = 6V, I _C = 10mA)	f _T	140	-	-	MHz

^{*} Pulse teat: Pulse width ≤350µs, Duty Cycle ≤2%.

CLASSIFICATION OF hFE

RANK	DV1	DV2	DV3	DV4	DV5
Range	110-180	135-220	170-270	200-320	250-400

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