

TO - 92 BIPOLAR TRANSISTORS TRANSISTOR(NPN)

FEATURES

* Power dissipation

Рсм: 0.6 W(Tamb=25°C)

* Collector current

0.6 A Ісм:

* Collector-base voltage V(BR)CBO: 60 V

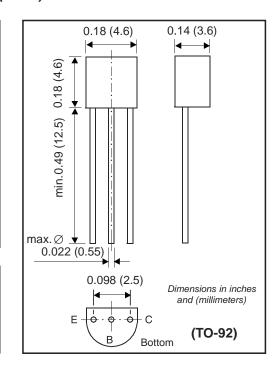
* Operating and storage junction temperature range T_J,Tstg: -55°C to+150°C

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any * Marking :2N4401+Date code

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%.



MAXIMUM RATINGES (@ $T_A = 25^{\circ}C$ unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNITS
Max. Steady State Power Dissipation ⁽¹⁾ @TA=25°C Derate above 25°C	Pb	600	mW
Max. Operating Temperature Range	TJ	150	°C
Storage Temperature Range	Тѕтс	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (@ $T_A = 25^{\circ}C$ unless otherwise noted)

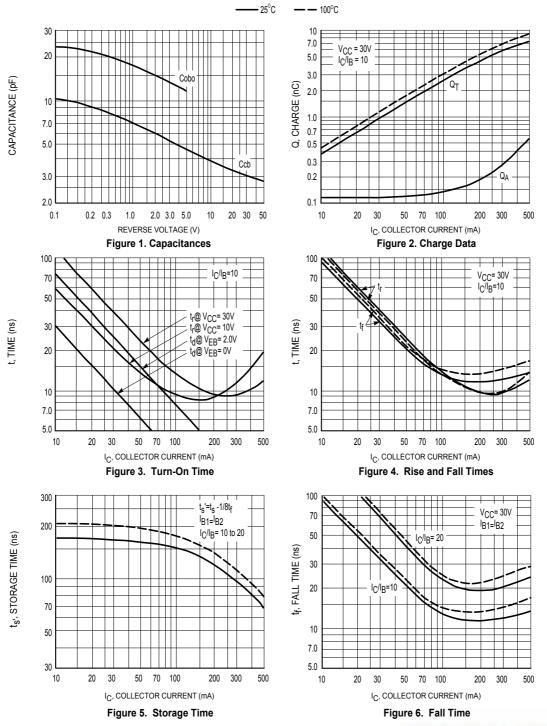
CHARACTERISTICS	SYMBOL	MIN.	TYP.	MAX.	UNITS
Thermal Resistance Junction to Ambient	R ĐA	-	-	417	°C/W

Notes: 1. Alumina=0.4*0.3*0.024in.99.5% alumina

2. "ROHS Compliant"

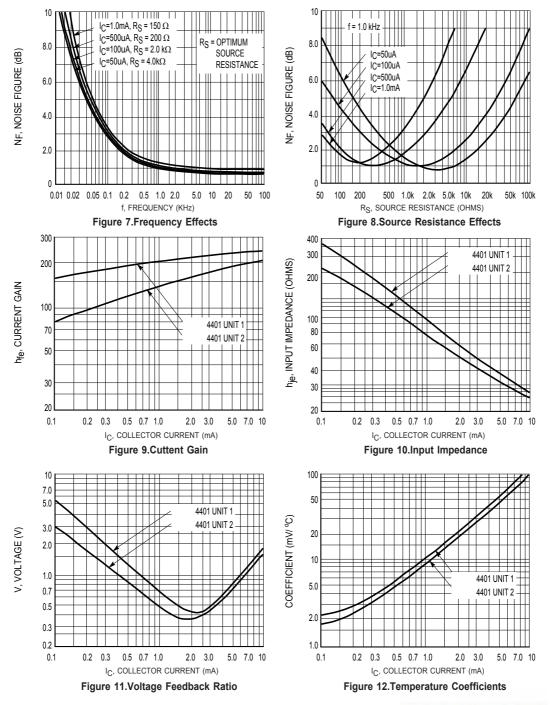
2019-03 REV:A

RATING AND CHARACTERISTICS CURVES (2N4401



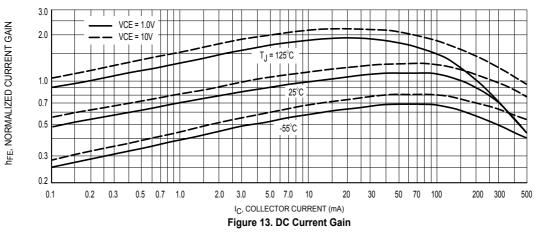


RATING AND CHARACTERISTICS CURVES (2N4401





RATING AND CHARACTERISTICS CURVES (2N4401



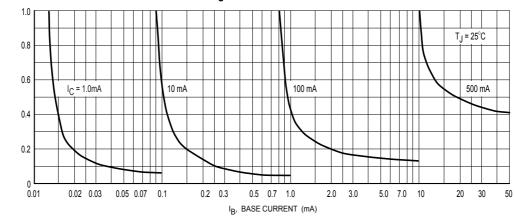
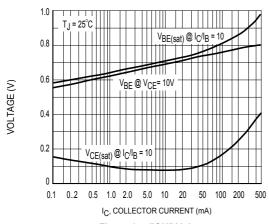


Figure 14. Collector Saturation Region



V_{CE}, COLLECTOR - EMITTER VOLTAGE (V)

Figure 15. "ON" Voltages

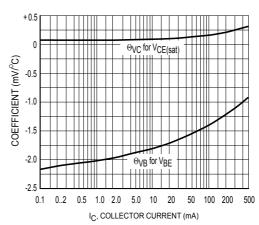


Figure 16. Temperature Coefficients



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