

2N4403 TRANSISTOR (PNP)

FEATURES

Power dissipation

$$P_{CM} : 0.625 \text{ W (Tamb=25°C)}$$

Collector current

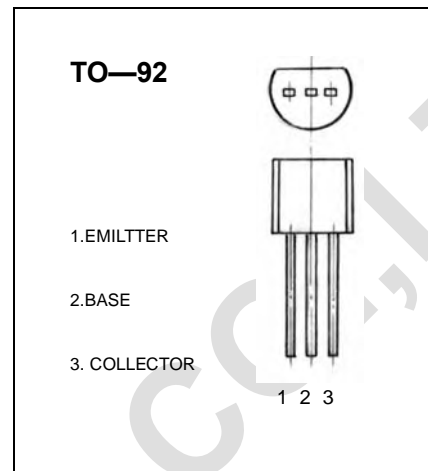
$$I_{CM} : -0.6 \text{ A}$$

Collector-base voltage

$$V_{(BR)CBO} : -40 \text{ V}$$

Operating and storage junction temperature range

$$T_J, T_{stg} : -55°C \text{ to } +150°C$$



ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -100\mu A, I_E = 0$	-40		V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -1mA, I_B = 0$	-40		V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -100\mu A, I_C = 0$	-5		V
Collector cut-off current	I_{CBO}	$V_{CB} = -35 \text{ V}, I_E = 0$		-0.1	μA
Collector cut-off current	I_{CEO}	$V_{CE} = -35 \text{ V}, I_B = 0$		-0.1	μA
Emitter cut-off current	I_{EBO}	$V_{EB} = -4V, I_C = 0$		-0.1	μA
DC current gain	$h_{FE(1)}$	$V_{CE} = -2 \text{ V}, I_C = -150mA$	100	300	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -150 \text{ mA}, I_B = -15mA$		-0.4	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -150 \text{ mA}, I_B = -15mA$		-0.95	V
Transition frequency	f_T	$V_{CE} = -10V, I_C = -20mA$ $f = 100MHz$	200		MHz