



TO-92 Plastic-Encapsulate Transistors

2N6727 TRANSISTOR (NPN)

FEATURES

Power dissipation

$$P_{CM}: 1.0 \text{ W (Tamb=25}^\circ\text{C)}$$

Collector current

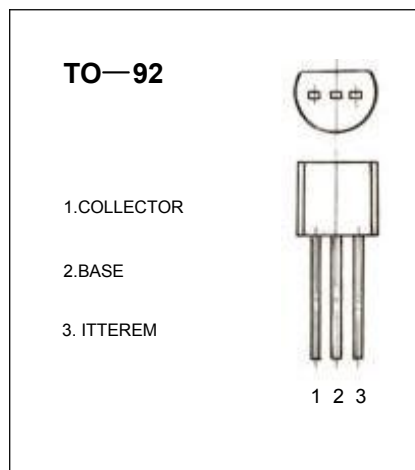
$$I_{CM}: 1.0 \text{ A}$$

Collector-base voltage

$$V_{(BR)CBO}: 50 \text{ V}$$

Operating and storage junction temperature range

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



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

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_c=1\text{mA}, I_E=0$	50			V
Collector-emitterbreakdown voltage	$V_{(BR)CEO}$	$I_c=10\text{mA}, I_B=0$	40			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E=1\text{mA}, I_c=0$	5			V
Collector cut-off current	I_{CBO}	$V_{CB}=50\text{V}, I_E=0$			0.1	μA
Emitter cut-off current	I_{EBO}	$V_{EB}=5\text{V}, I_c=0$			0.1	μA
Transition frequency	f_T	$V_{CE}=10\text{V}, I_c=50\text{mA}$	50	500		MHz