



TO-92MOD Plastic-Encapsulated Transistors

2SC2060 TRANSISTOR (NPN)

FEATURE

Power dissipation

P_{CM} : 0.75 W ($T_{amb}=25^{\circ}C$)

Collector current

I_{CM} : 1 A

Collector-base voltage

$V_{(BR)CBO}$: 40 V

Operating and storage junction temperature range

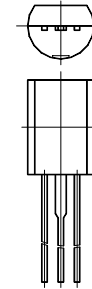
T_J, T_{stg} : $-55^{\circ}C$ to $+150^{\circ}C$

TO-92MOD

1. EMITTER

2. COLLECTOR

3. BASE



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ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}C$ 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	$V_{(BR)CEO}$	$I_C = 1mA, I_B = 0$	32		V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = 100\mu A, I_C = 0$	5		V
Collector cut-off current	I_{CBO}	$V_{CB} = 40V, I_E = 0$		0.5	μA
Emitter cut-off current	I_{EBO}	$V_{EB} = 4V, I_C = 0$		0.1	μA
DC current gain	$h_{FE(1)}$	$V_{CE} = 3V, I_C = 100mA$	80	400	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = 500mA, I_B = 50mA$		0.4	V