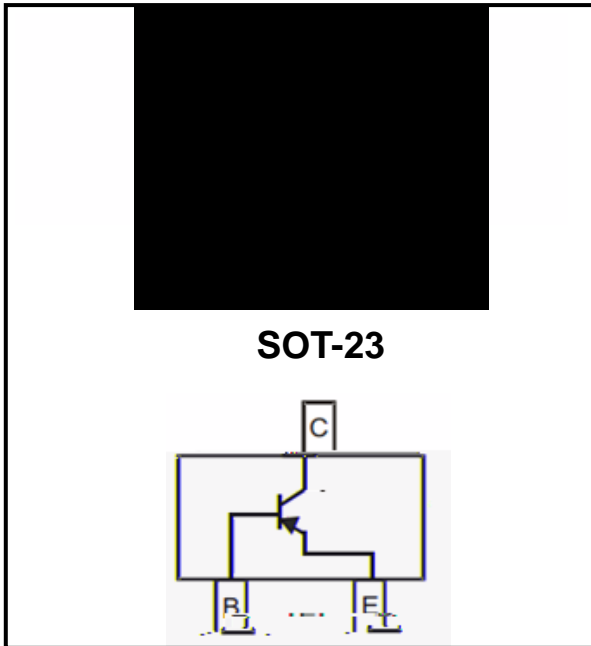


## PNP General Purpose Amplifier



### Features

- Epoxy meets UL-94 V-0 flammability rating
- Surface mount package ideally suited for automatic insertion
- Moisture Sensitivity Level 1
- Low equivalent on-resistance
- Part no. with suffix "Q" means AEC-Q101 qualified

### Mechanical Data

- Package: SOT-23
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Marking 591

### Maximum Ratings (Ta=25 Unless otherwise specified)

Item	Symbol	Unit	Value
Collector-Base Voltage	$V_{CBO}$	V	-80
Collector-Emitter Voltage	$V_{CEO}$	V	-60
Emitter-Base Voltage	$V_{EBO}$	V	-5
Collector Current	$I_C$	A	-1
Collector Power Dissipation	$P_C$	mW	300
Thermal Resistance From Junction to Ambient (*)	$R_{JA}$	/W	417
Junction Temperature	$T_J$		150
Storage Temperature	$T_{STG}$		-55 to +150

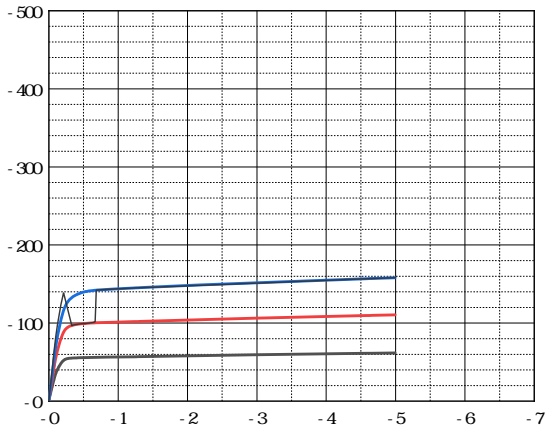
(\*) Device mounted on FR-4 PCB 1.0 x 1.0 x 0.06 inch

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Electrical Characteristics (Typical)





**SOT-23 Package Outline Dimensions & Suggested Pad Layout**

TOP VIEW

SIDE VIEW



UNIT mm

SUGGESTED SOLDER PAD LAYOUT

