

NPN General Purpose Amplifier



Features

- Moisture Sensitivity Level 1
- Surface mount package ideally Suited for Automatic Insertion
- Epoxy meets UL-94 V-0 flammability rating, halogen-free

Mechanical Data

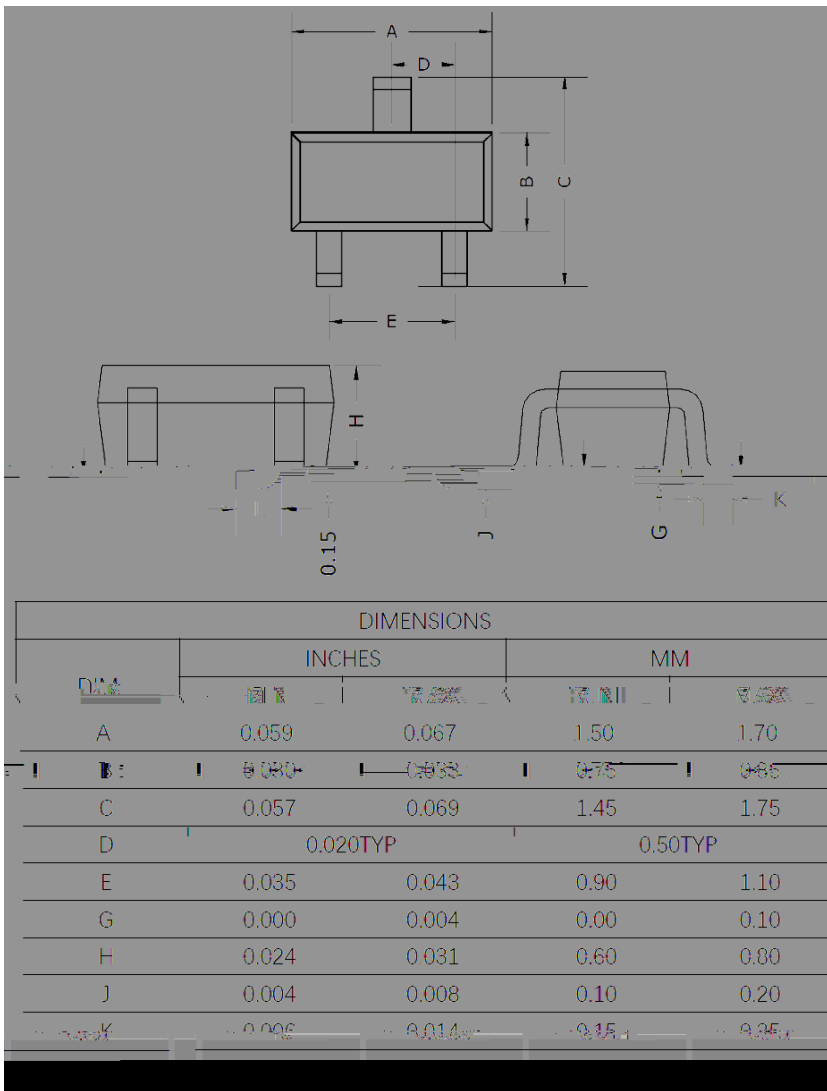
- **Package:** SOT-523
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Marking:** 1N

■Maximum Ratings (Ta=25 Unless otherwise specified)

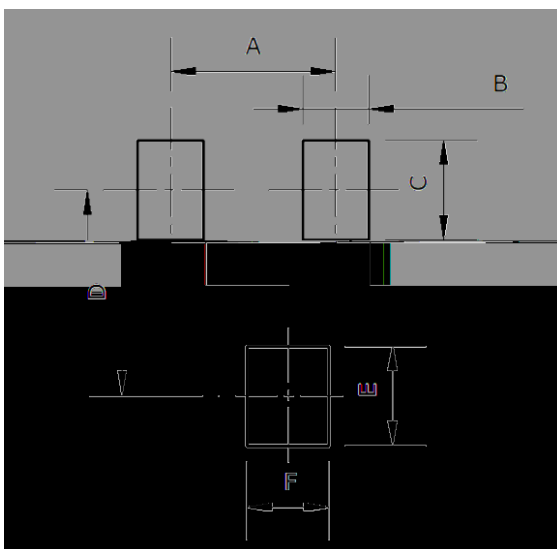
Item	Symbol	Unit	Conditions	Value
Collector-Emitter Voltage	V_{CEO}	V	$I_C=1.0mA, I_B=0$	40
Collector-Base Voltage	V_{CBO}	V	$I_C=10\mu A, I_E=0$	60
Emitter-Base Voltage	V_{EBO}	V	$I_E=10\mu A, I_C=0$	6.0
Collector Current	I_C	mA		200
Collector Power Dissipation	P_C	mW		150
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	/W		833
Operation Junction Temperature	T_J			-55 to +150
Storage Temperature	T_{STG}			-55 to +150



■ SOT-523 Package Outline Dimensions



■ SOT-523 Suggested Pad Layout



DIMENSIONS	
DIM	MM (TYP)
A	1.00
B	0.40
C	0.60
D	1.24
E	0.50
F	F



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