

Features

- Unidirectional & Bidirectional Configurations
- Ideally Suited For Automated Assembly Processes
- Moisture Sensitivity Level 1

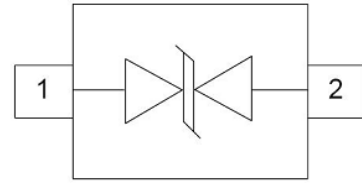
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Typical Applications

- Zener Diode
- Ultra-small Surface Mount Package

Mechanical Data

- Case: SOD-323
- Molding Compound, UL Flammability Classification Rating 94V-0
- Terminals: Tin Plated Leads, Solderable Per MIL-STD-202, Method 208



SOD-323

Ordering Information

Part Number	Package	Shipping	Marking Code
BZ7V5C	SOD-323	3000 pcs / Tape & Reel	7V5C

Maximum Ratings (@T_A=25°C unless otherwise specified)

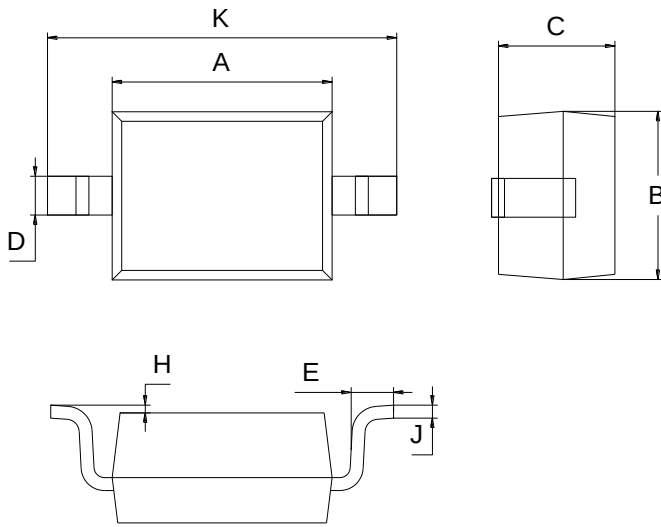
Characteristic	Symbol	Value	Units
Power Dissipation	P _D	200	mW
Typical Thermal Resistance Per Leg	R _{θJA}	625	°C/W
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{STG}	-65 to +150	°C

Electrical Characteristics (@T_A=25°C unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Nom.	Max.	Unit
Zener Voltage Range	V _Z	I _{ZT} =±5mA	7	7.6	8	V
Maximum Zener Impedance	Z _{ZT}	I _{ZT} =±5mA	-	-	30	Ω
Maximum Zener Impedance	Z _{ZK}	I _{ZK} =±1mA	-	-	600	Ω
Maximum Reverse Current	I _R	V _R =±5V	-	-	1	μA

Package Outline Dimensions(unit:mm)

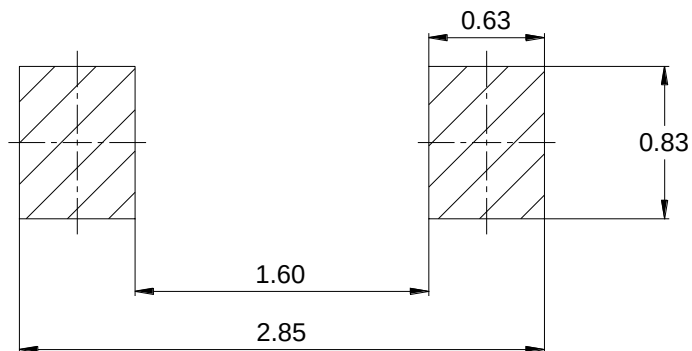
SOD-323



SOD-323		
Dim	Min	Max
A	1.60	1.80
B	1.20	1.40
C	0.80	0.90
D	0.25	0.35
E	0.22	0.42
H	0.02	0.10
J	0.05	0.15
K	2.55	2.75

Mounting Pad Layout(unit:mm)

SOD-323



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