



/ Descriptions

SOD-323

Zener Diode in a SOD-323 Plastic Package.

/ Features

200mW

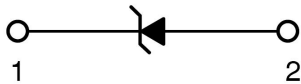
AEC-Q101

200mW Power dissipation, medium current, automated assembly processes, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

2.4V-3 V

2.4V to 39V wide zener voltage range applications, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit**/ Pinning**

PIN1:Cathode

PIN2:Anode

/ Marking

See Electrical Characteristics.

BRBZT52CXXXSQ

Rev.A Apr.-2022



DATA SHEET

Parameter	Symbol	Rating	Unit
Forward Voltage (Note 2) ($I_F=10mA$)	V_F	0.9	V
Power Dissipation(Note 1)	P_D	200	mW
Typical Thermal Resistance Junction to Ambient(Note 1)	$R_{\theta JA}$	625	$^{\circ}C/W$
Junction and Storage Temperature Range	T_j, T_{stg}	-65~150	$^{\circ}C$

Type	Number	Mark -ing Code	Zener Voltage Range (Note 2)	Maximum Zener mpedance (Note 3)	Maximum Reverse Current (Note 2)	Typical Temperature Coefficient @I
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**/ Electrical Characteristics(Ta=25)**

Type	Number	Marking Code	Zener Voltage Range (Note 2)	Maximum Zener mpedance (Note 3)	Maximum Reverse Current (Note 2)	Typical Temperature Coefficient @I _{ZTC} mV/°C	Test Curre nt I _{ZTC}
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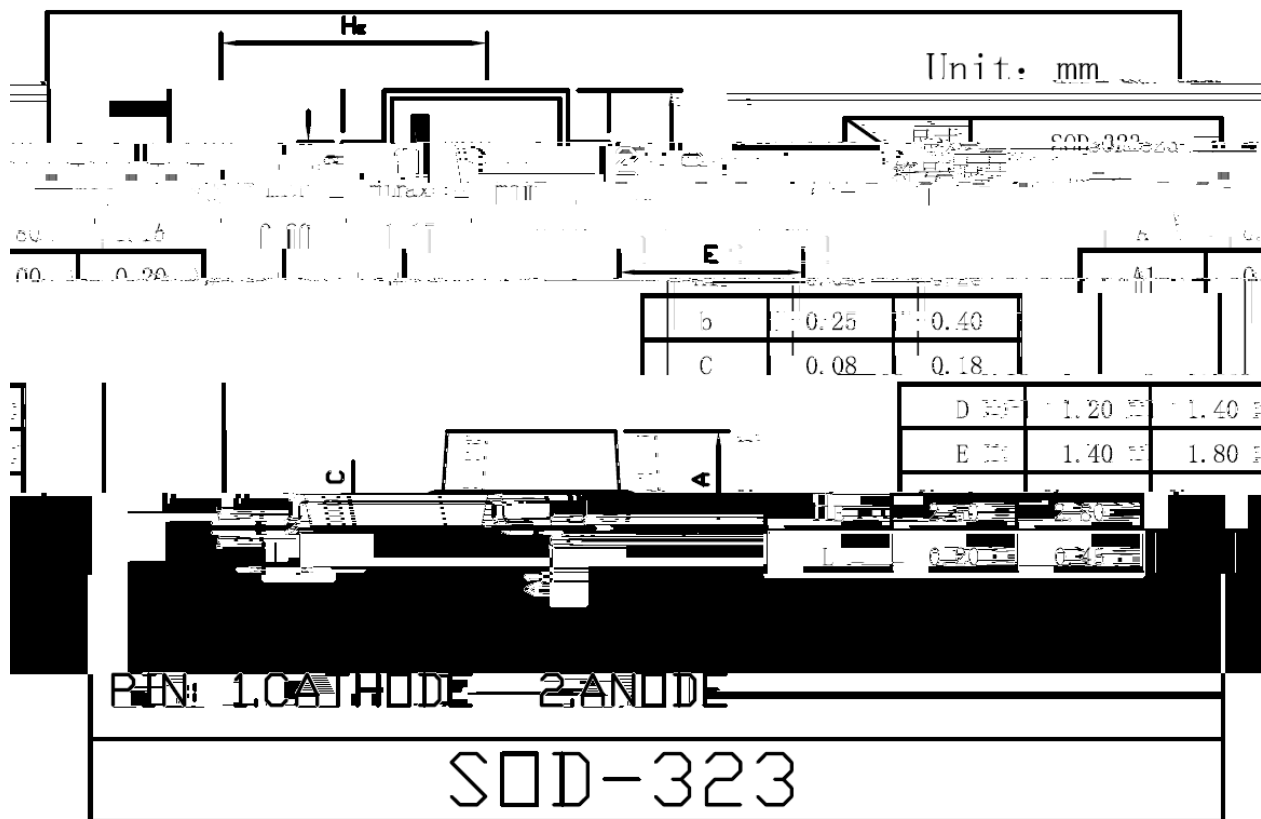


DATA SHEET

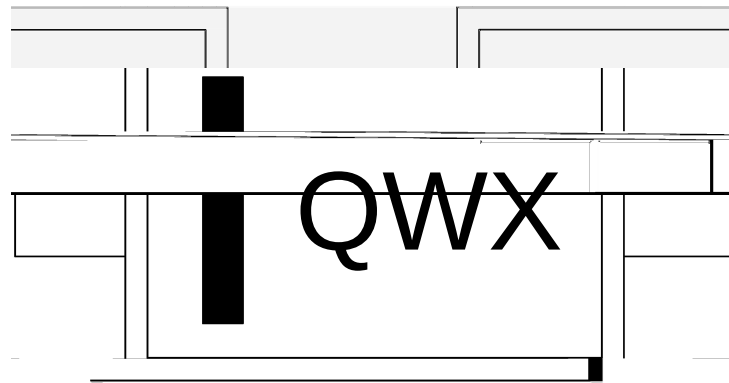
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/ Package Dimensions



/ Marking Instructions



Q

WX

Note:

Q: Automobile halogen-free product Code

WX: Product Type

() / Temperature

1	150	200	60	120s
2	255±5		5±0.5	
3		2	10°C/sec.	

/ Resistance to So

260±5°C	10±1 sec.
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/ Packaging SPEC.

/ REEL

Package Type	Units "
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