

BRBZT52CXXSQ

Rev.A Apr.-2022



DATA SHEET

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DATA SHEET

/ Descriptions

SOD-323

Zener Diode in a SOD-323 Plastic Package.

/ Features

200mW

AEC-Q101

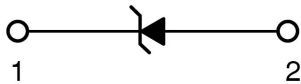
200mW Power dissipation, medium current, automated assembly processes, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ 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.

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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_{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 impedance (Note 3)	Maximum Reverse Current (Note 2)	Typical Temperature Coefficient @ I _{ZTC} mV/°C	Test Current I _{ZTC}
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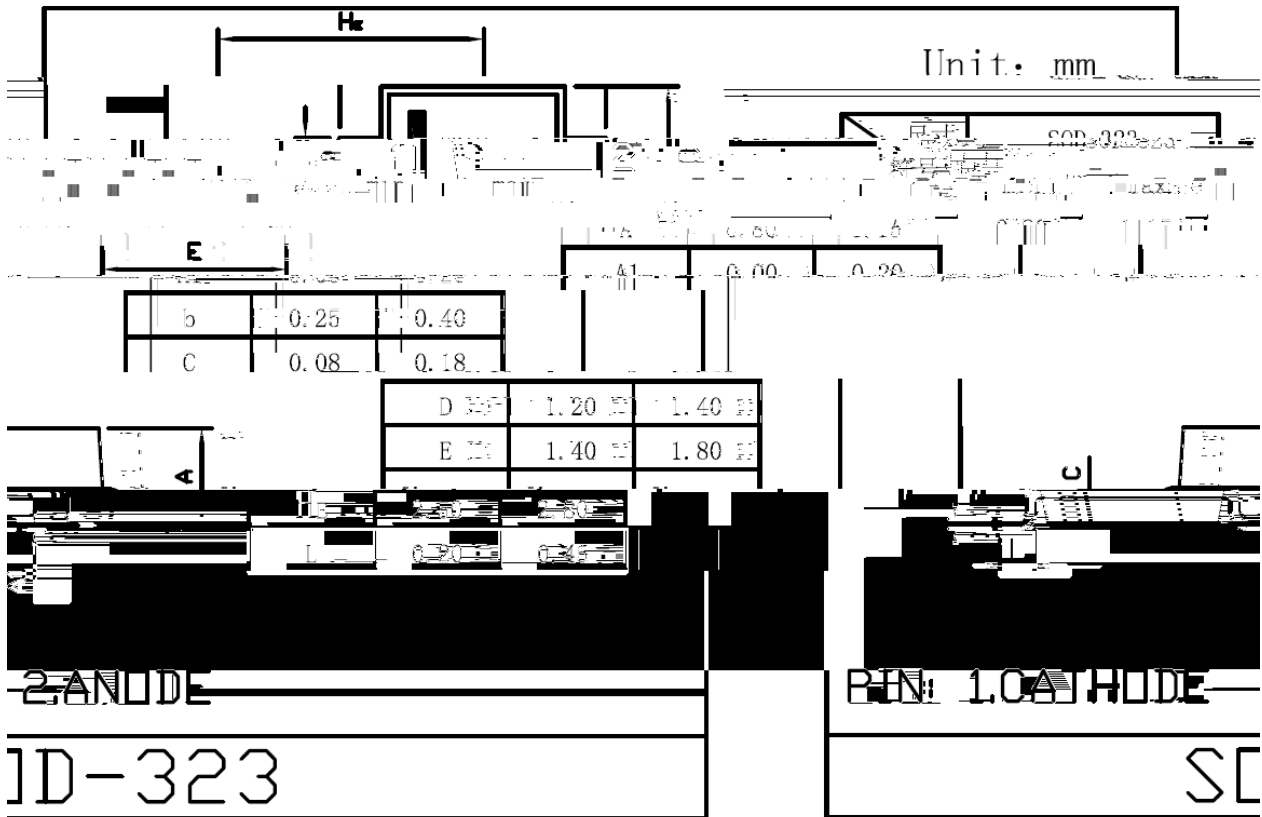


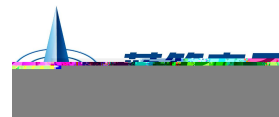
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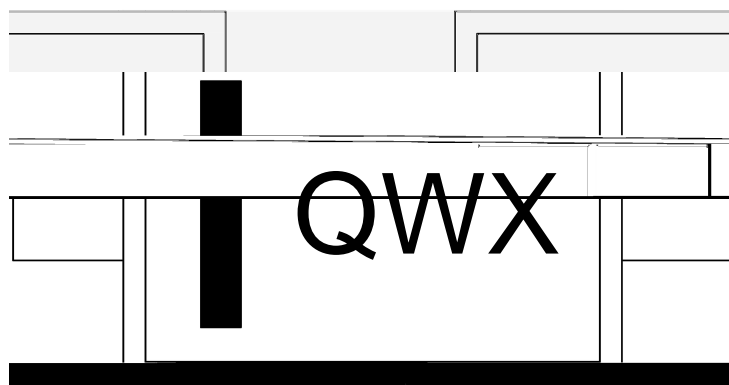


/ Package Dimensions





/ Marking Instructions



Q

WX

Note:

Q: Automobile halogen-free product Code

WX: Product Type

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() / 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.

/ Packaging SPEC.

/ REEL

Package Type	Units						
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box