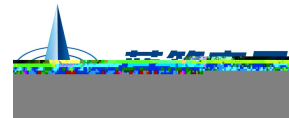


/ Revised record

G	2018-4				
A	2021-12-1 7	all	BR Q AEC-Q101 H Q 245±5°C 5±0.5sec 255±5°C 5±0.5sec		

**/ Descriptions**

SOD-123

Zener Diode in a SOD-123 Plastic Package.

/ Features

500mW

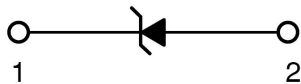
AEC-Q101

500mW power dissipation, medium current, automated assembly processes, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

2.4V-39V

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

/ Equivalent Circuit**/ Pinning****1****2**

PIN1:Cathode

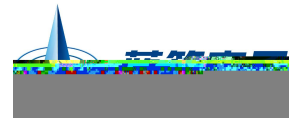
PIN2:Anode

/ Marking

See Electrical Characteristics.

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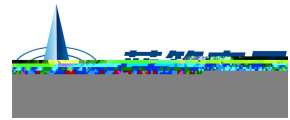
DATA SHEET

参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Forward Voltage (Note 2) ($I_F=10mA$)	V_F	0.9	V
Power Dissipation(Note 1)	P_D	500	mW
Typical Thermal Resistance Junction to Ambient	$R_{\theta JA}$	305	$^{\circ}C/W$
Junction and Storage Temperature Range	T_j, T_{stg}	-65~150	$^{\circ}C$

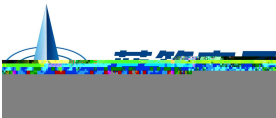
Type	Number	Mark -ing Code	Zener Voltage Range (Note 2)	Maximum Zener mpedance (Note 3)	Maximum Reverse Current (Note 2)	Typical Temperature Coefficient @ I_{ZTC} mVe
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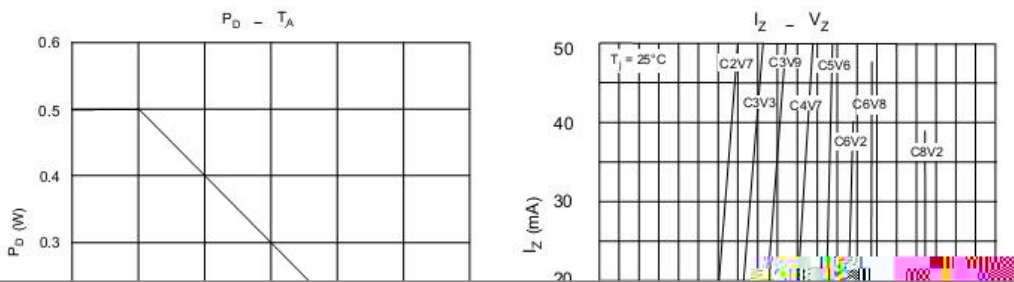
Rev.A Dec.-2021

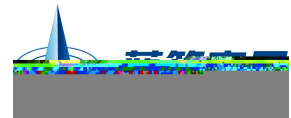


DATA SHEET

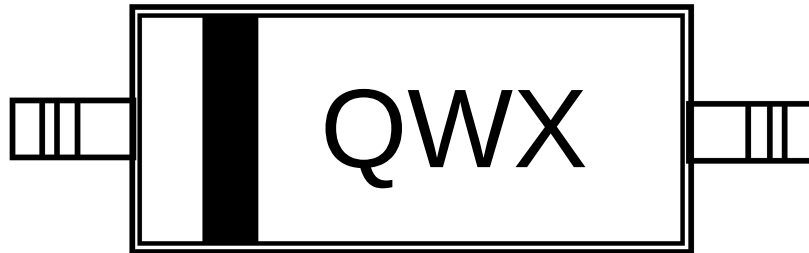


/ Electrical Characteristic Curve





/ Marking Instructions



Q

WX

Note:

Q: Automobile halogen-free product Code

WX: Product Type Code

BRBZT52CXXXQ

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DAV