



## / Revised record

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

# BRBZT52CXXXQ

Rev.A Dec.-2021



DATA SHEET

SOD-123

Zener Diode in a SOD-123 Plastic Package.

500mW

AEC-Q101

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

2.4V-39V

2.4V to 39V wdr 2.

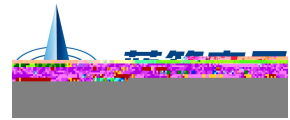
ZTC

| 参数<br>Parameter                                | 符号<br>Symbol    | 数值<br>Rating | 单位<br>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<br>-ing<br>Code | Zener Voltage Range<br>(Note 2) | Maximum Zener<br>mpedance (Note 3) | Maximum<br>Reverse<br>Current<br>(Note 2) | Typical<br>Temperature<br>Coefficient<br>@ $I_{ZTC}$<br>mVe |
|------|--------|----------------------|---------------------------------|------------------------------------|-------------------------------------------|-------------------------------------------------------------|
|------|--------|----------------------|---------------------------------|------------------------------------|-------------------------------------------|-------------------------------------------------------------|

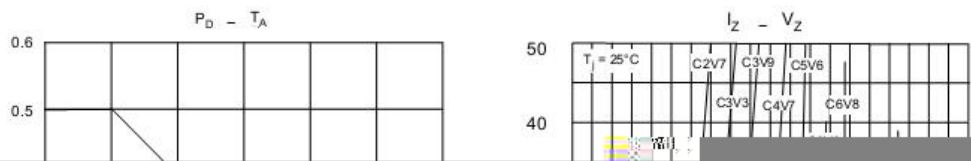
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Rev.A Dec.-2021



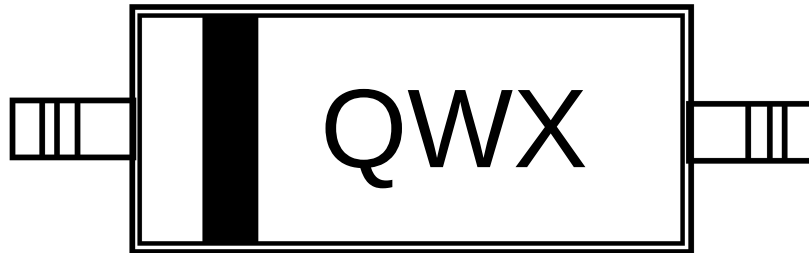
**DATA SHEET**

/ Electrical Characteristic Curve





**/ Marking Instructions**



Q

WX

Note:

Q: Automobile halogen-free product Code

WX: Product Type Code

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Rev.A Dec.-2021