

BRBZX84CXXXQ

Rev.A Sep.-2022

/ Descriptions

SOT-23

Zener Diode in a SOT-23 Plastic Package.

/ Features

300mW

AEC-Q101

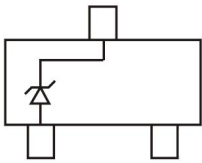
300mW power dissipation, Ideally Suited for Automated Assembly, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

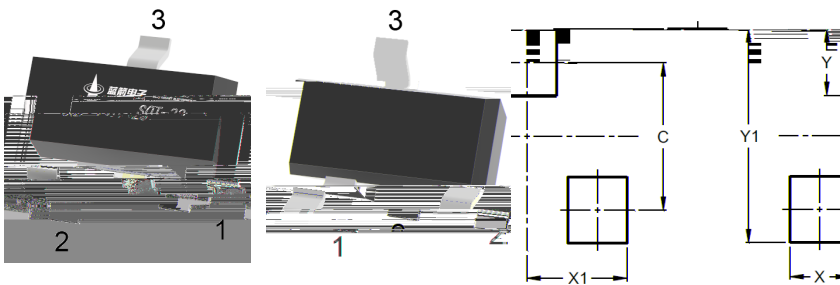
2.4V-51V

2.4V to 51V wide zener voltage range applications, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



PIN: See Equivalent Circuit.

/ Marking

See Electrical Characteristics.

Parameter	Symbol	Rating	Unit
Forward Volt/T272e(10mA)	V_F	0.9	V
Power Dissipation(Note 1)	P_D	300	mW
Power Dissipation(Note 4)	P_D	350	mW
(Note 1)	R_{JA}	417	/W
(Note 4)	R_{JA}	357	/W
Junction and Storage Temperature Range	T_j, T_{stg}	-65 150	

Zener Volt9.2(ag)-6(e Ran)-6(g).7(e)-6()TJ2.9145 -1.1467 TD-.001500.0038500((Note2))-8.6(0)TJ12

Type Number Marking Code

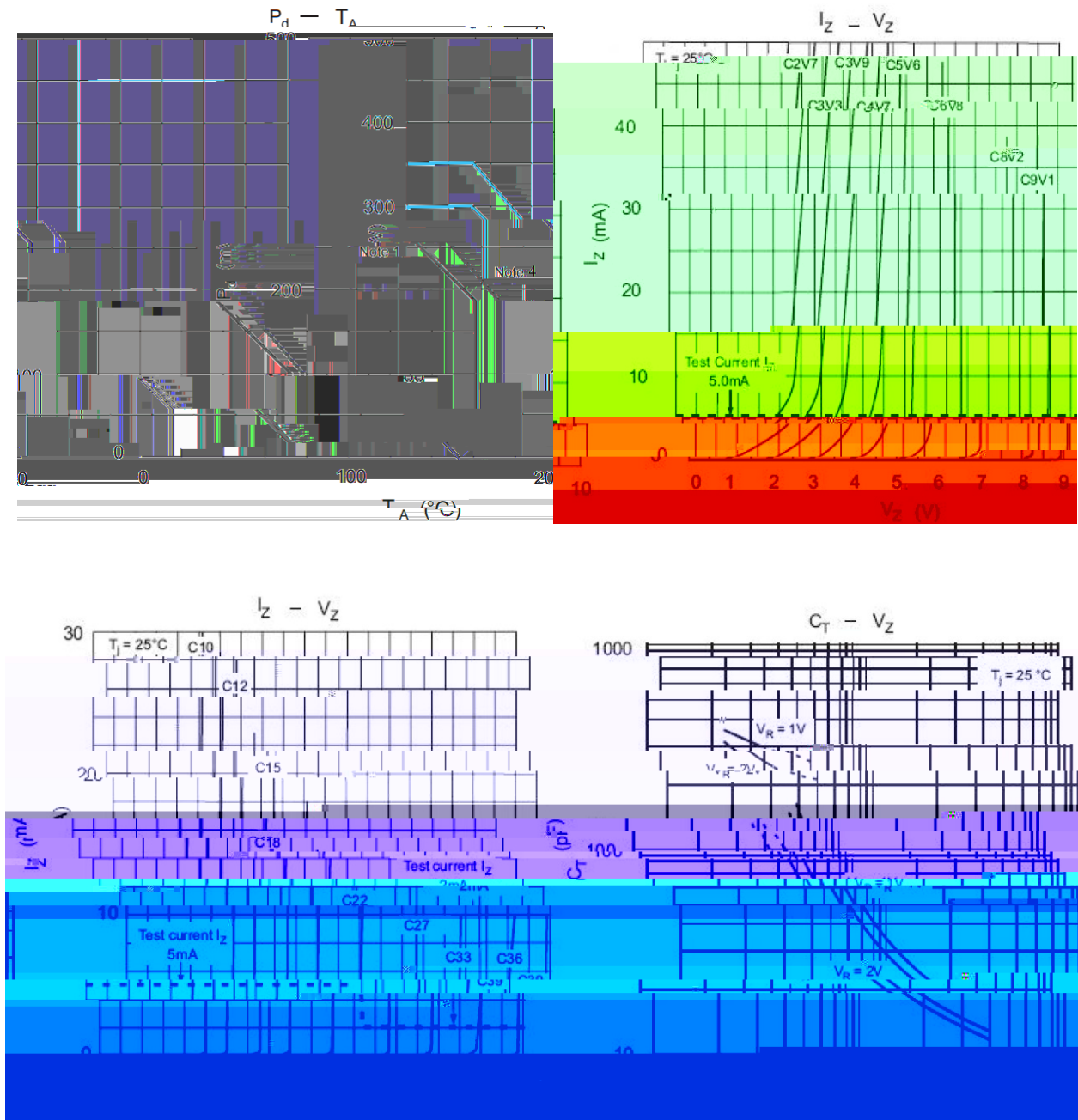
BRBZX84C3V3Q	QZE	3.3	3.1	3.5	5.								
BRBZX84C3V6Q	QZF	3.6	3.4	3.8	5.								
BRBZX84C3V9Q	QZG	3.9	3.7	4.1	5.								
BR													
BRBZX84C10Q	QZ9	10	9.4	10.6	5.								

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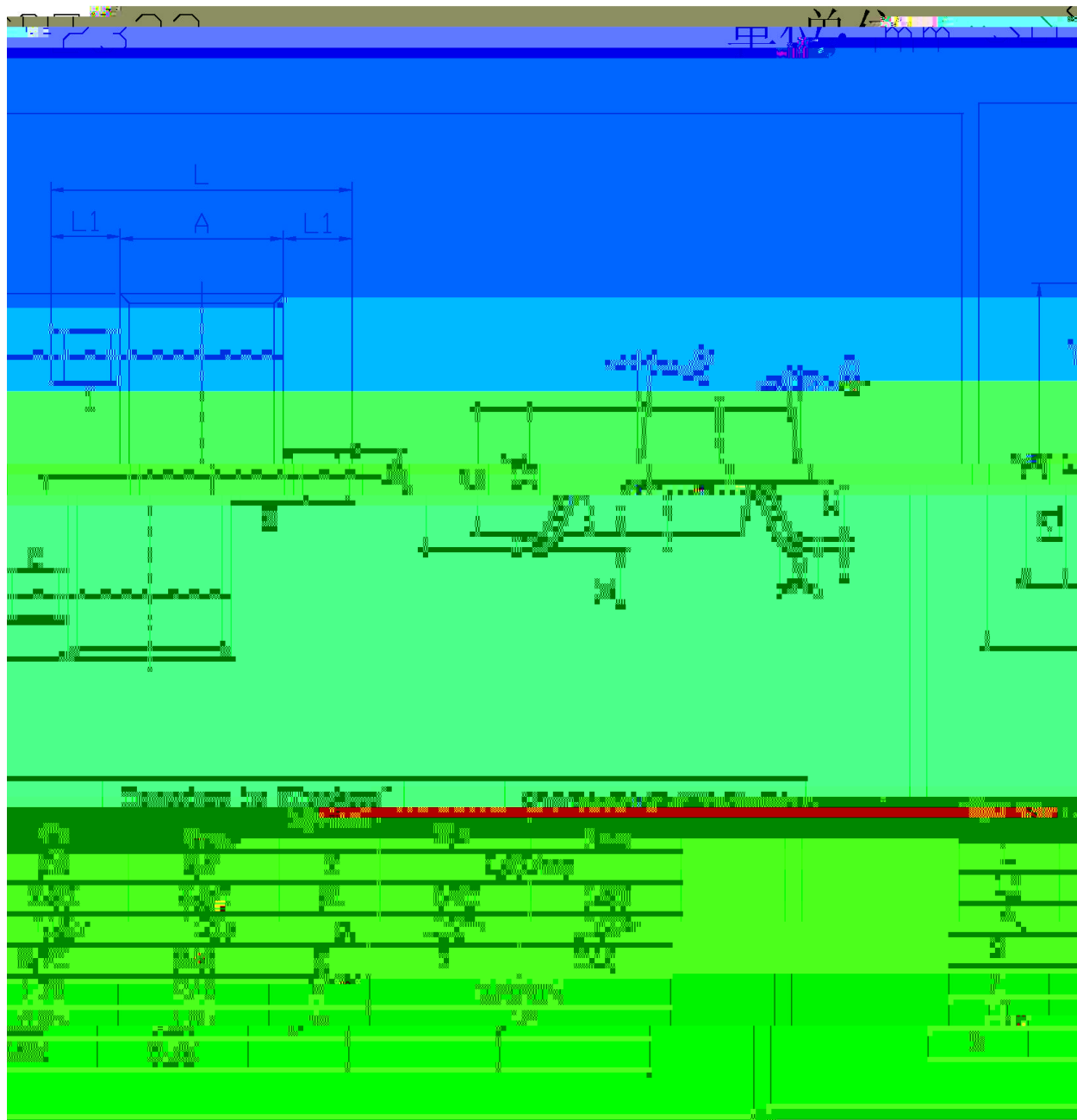
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DATA SHEET

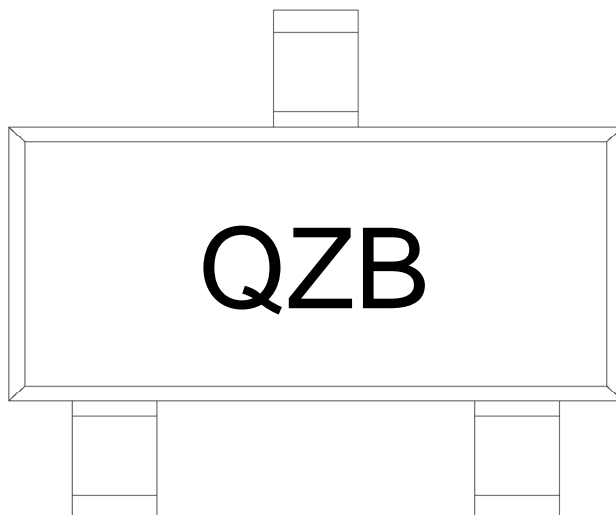
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



Q

ZB

Note:

Q: Automobile halogen-free product Code

ZB: Product Type

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 1 150 200 60 120sec; 1.Preheating:150~200 , Time:60~120sec.
- 2 255±5 5±0.5sec; 2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3 2 60 peed: 2~10 0