

/ Descriptions

SOT-23

Zener Diode in a SOT-23 Plastic Package.

/ Features

300mW

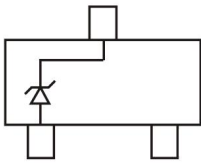
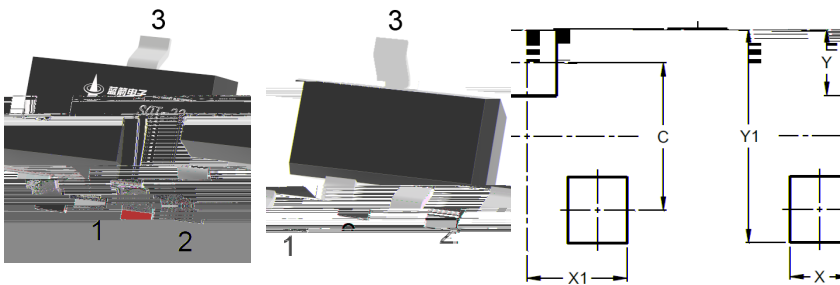
AEC-Q101

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.

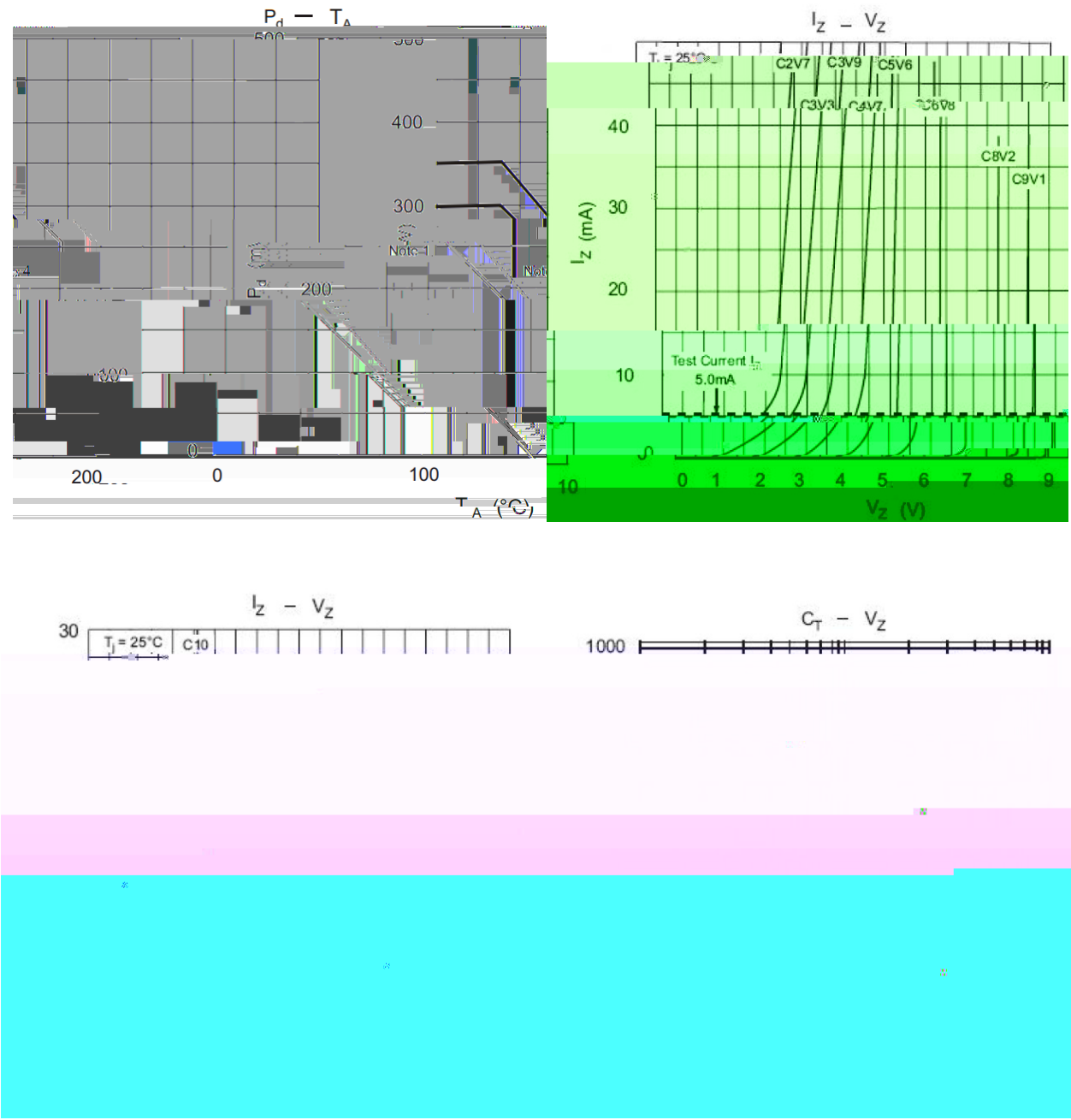
Parameter	Symbol	Rating	Unit
Forward Volt/T272e(10mA)	V _F	0.9	V
Power Dissipation(Note 1)	P _D	300	mW
Power Dissipation(Note 4)	P _D	350	mW
(Note 1)	R _{θJA}	417	/W
(Note 4)	R _{θJA}	357	/W
Junction and Stor72e Temperature Range	T _j , T _{stg}	-65 150	

Zener Volt9.2(ag)-6(e Ran)-6(g).7(e)-6()TJ2.9145 -1.1467 0D-.001500.0038500((Note02))-8.6(0)TJ12.

Type Number Marking
 Code

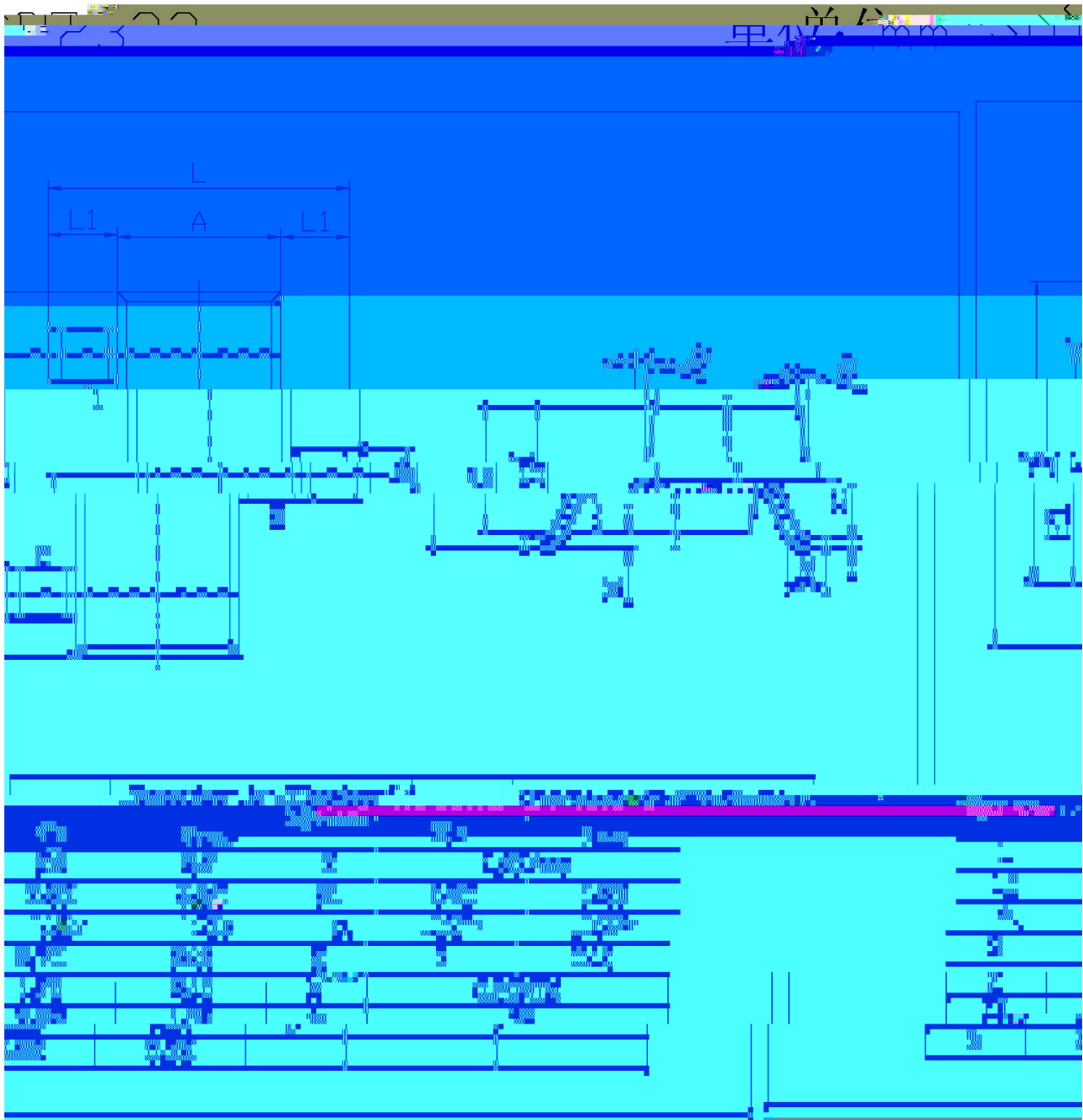
	BRBZX84C3V3Q	QZE	3.3	3.1	3.5	5.							
	BRBZX84C3V6Q	QZF	3.6	3.4	3.8	5.							
	BRBZX84C3V9Q	QZG	3.9	3.7	4.1	5.							
	BR												
	BRBZX84C10Q	QZ9	10	9.4	10.6	5.							

/ Electrical Characteristic Curve



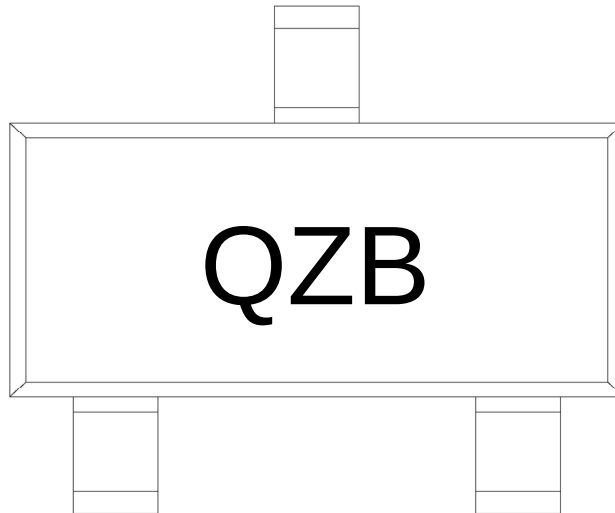


/ Package Dimensions





/ 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 | |