

# BRBZX84CXXXQ

Rev.A Sep.-2022

## / Descriptions

SOT-23

Zener Diode in a SOT-23 Plastic Package.

## / Features

300mW

AEC-Q101

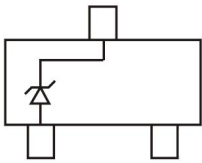
300mW power dissipation, Ideally Suited for Automated Assembly, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

## / Applications

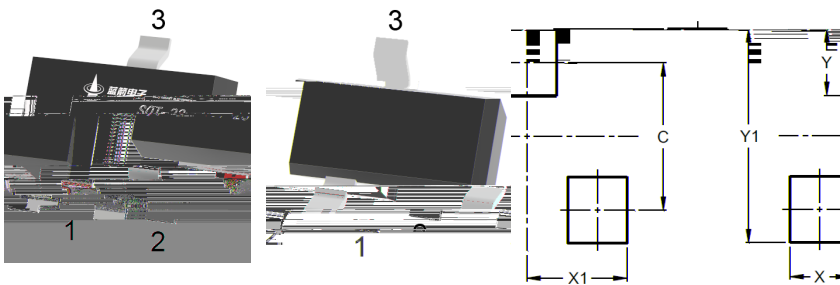
2.4V-51V

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

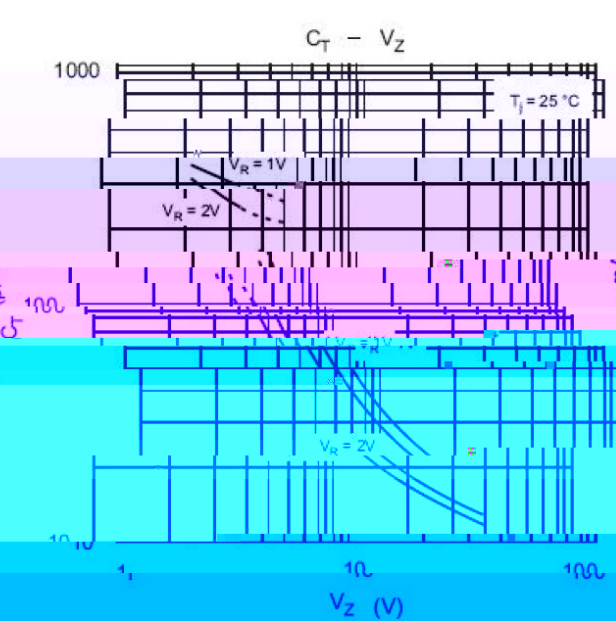
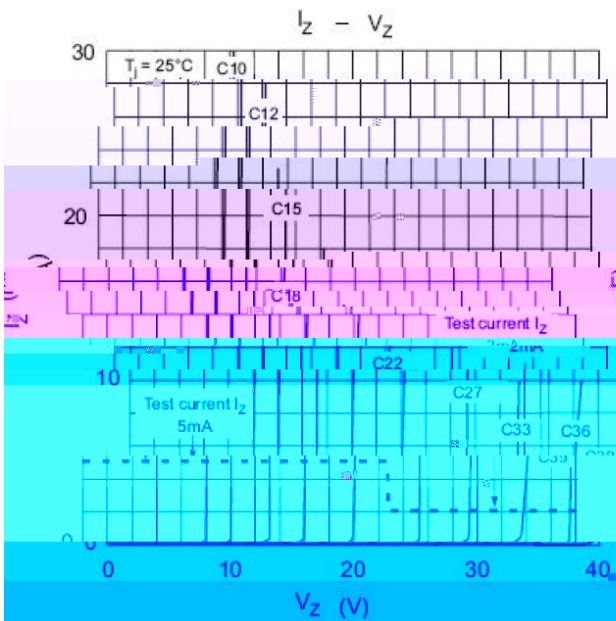
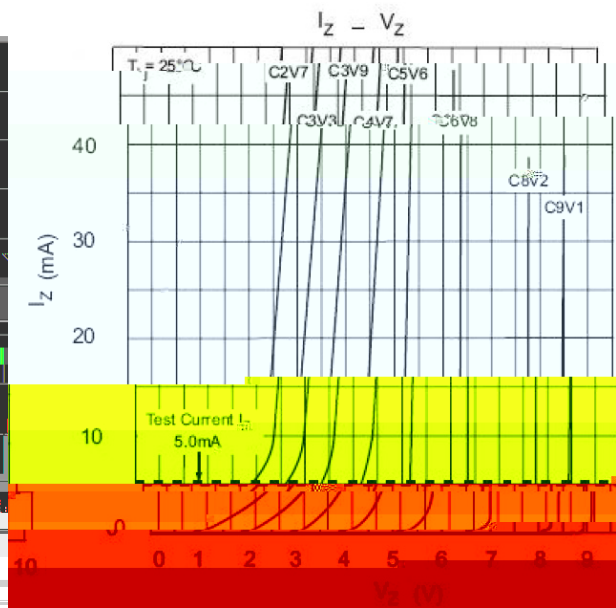
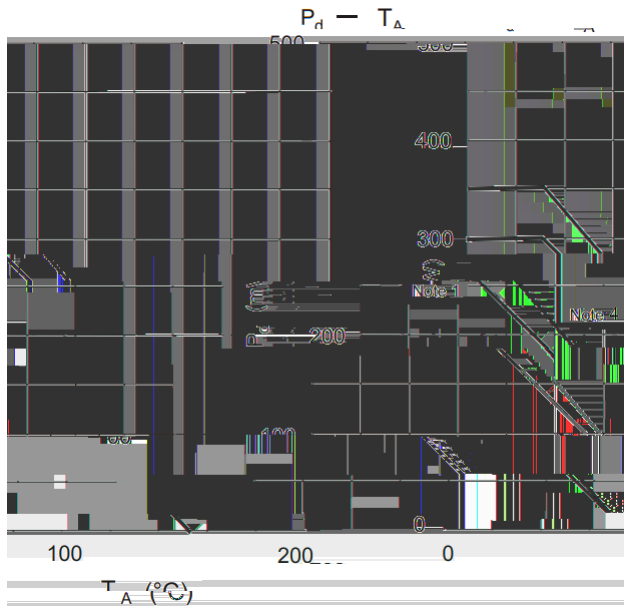
BRBZX84C3V3Q	QZE	3.3	3.1	3.5	5.									
BRBZX84C3V6Q	QZF	3.6	3.4	3.8	5.									
BRBZX84C3V9Q	QZG	3.9	3.7	4.1	5.									
BR														
BRBZX84C10Q	QZ9	10	9.4	10.6	5.									

**BRBZX84CXXXQ**

Rev.A Sep.-2022

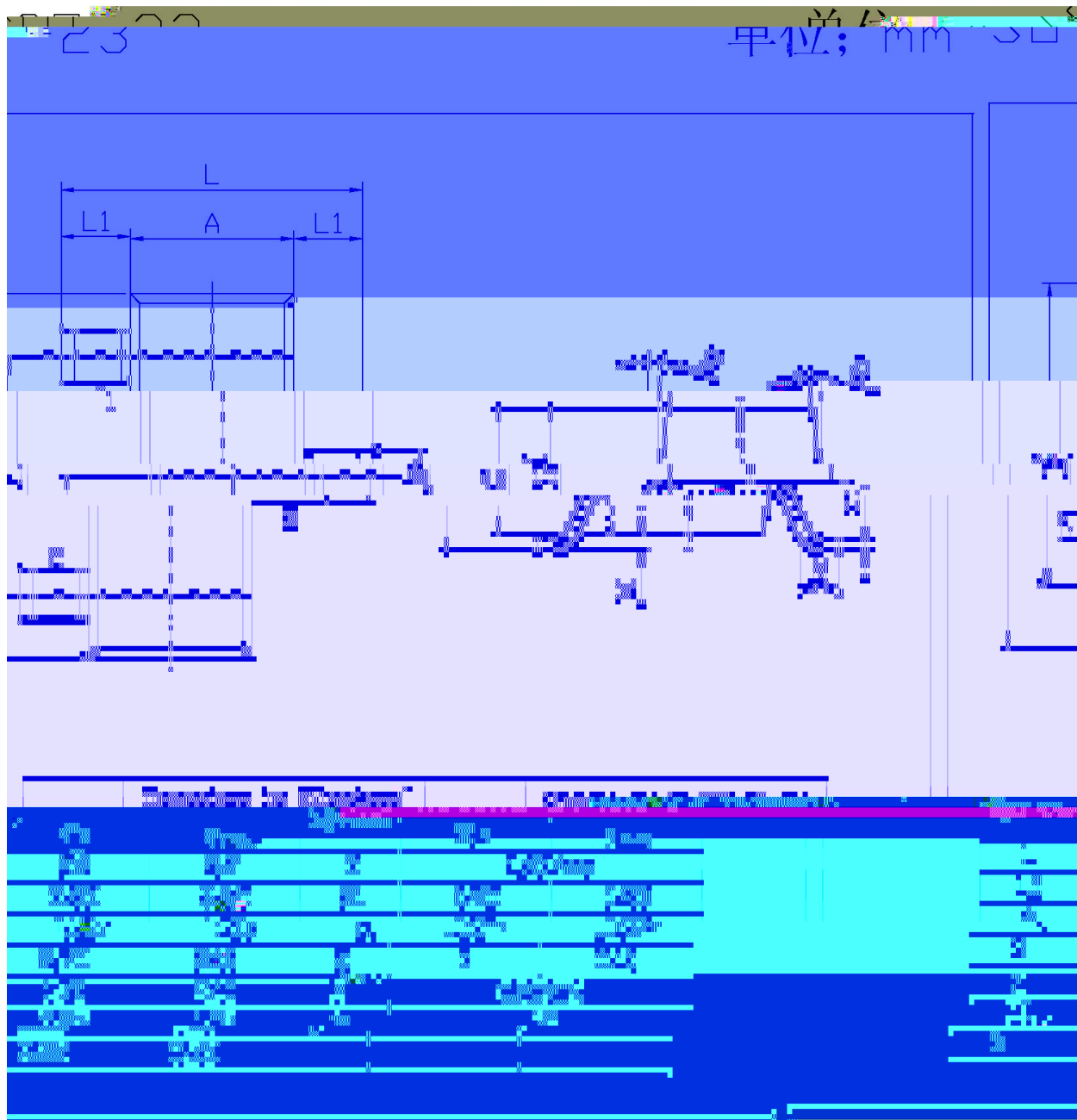
**DATA SHEET**

/ Electrical Characteristic Curve

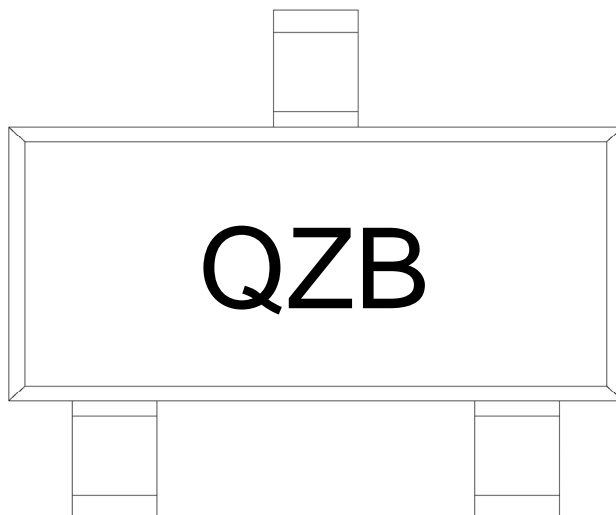




/ Package Dimensions



/ 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