

/ Descriptions

SOD-323

Zener Diode in a SOD-323 Plastic Package.

/ Features

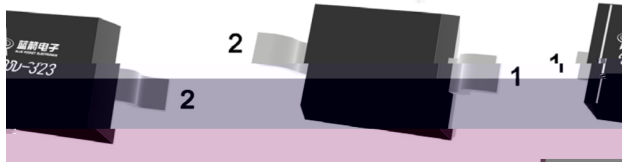
533 p Z / DHF0T434

200mW power dissipation, medium current, automated assembly processes, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

517Y06<Y

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

/ Equivalent Circuit**/ Pinning**

PIN1:Cathode

PIN2:Anode

/ Marking

See Marking Instructions.

BRBZT52BXXXSQ

Rev.B Jan.-2024



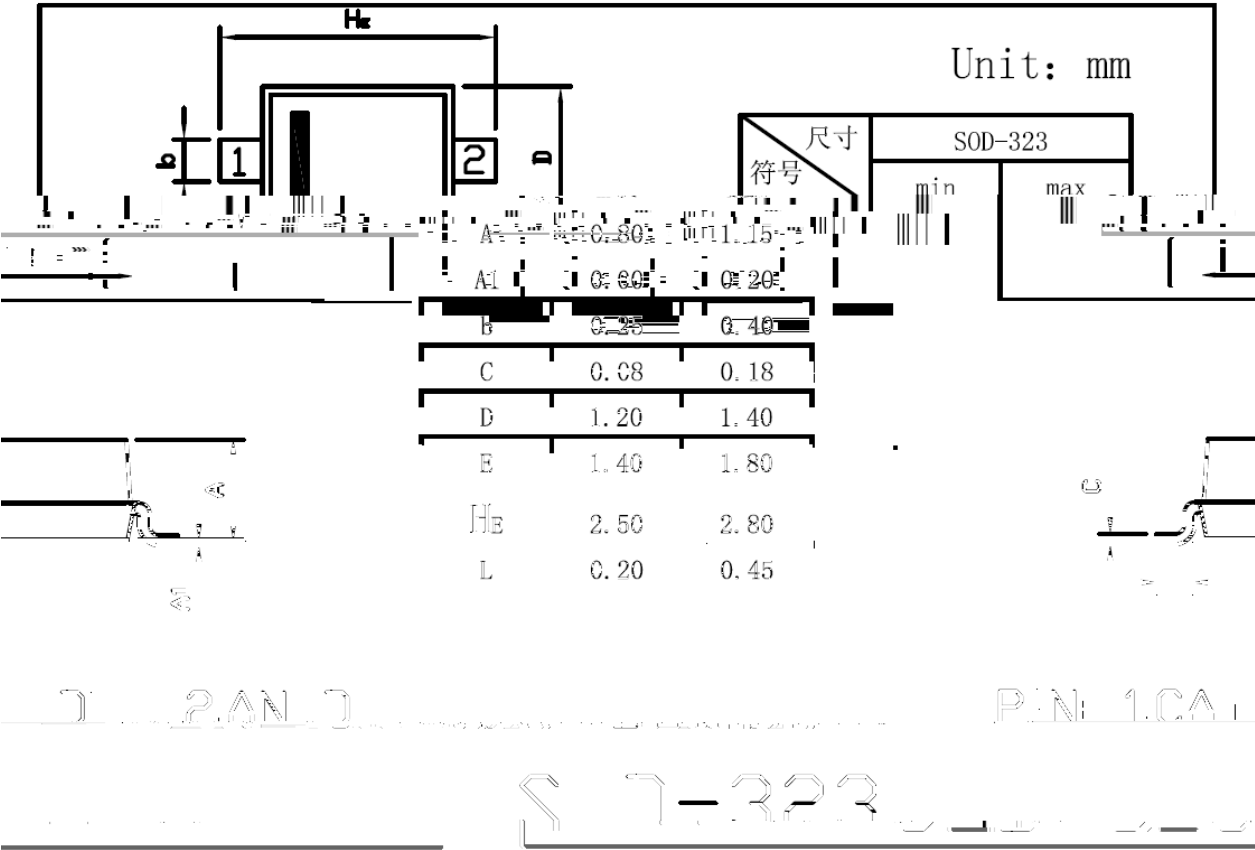
蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

Notes:

1. Device mounted on ceramic PCB; 7.6mm x 9.4mm x 0.87mm with pad areas 25mm².
2. Short duration test pulse used to minimize self-heating effect.
3. $f = 1\text{kHz}$.

/ Package Dimensions



() / 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 10%/sec.

3. Cooling Speed: 2~10%/sec.