

**Micro Commercial Components** 



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## **Features**

- Dual zeners in common anode configuration.
- 300mW power dissipation rating.
- Ideally suited for automatic insertion.
- $\triangle$ vz for both diodes in one case is  $\leqslant$ 5%.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

# Absolute Maximum Ratings

Symbol	Parameter	Rating	Unit
P <sub>D</sub>	Power dissipation	300	mW
R <sub>thJA</sub>	Thermal Resistance, Junction to Ambient Air	417	°C/W
T <sub>STG</sub>	Storage Temperature Range	-65 to +175	°C

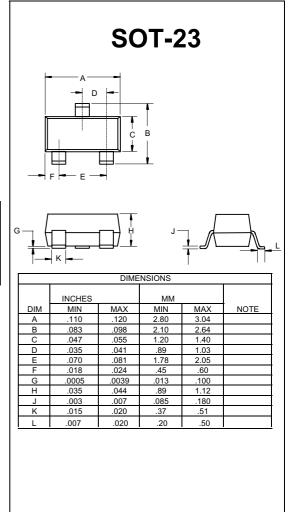
\*Pin Configuration - Top View



THRU AZ23C51

AZ23C2V7

300 mW Zener Diode 2.7 to 51 Volts



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### AZ23C2V7 THRU AZ23C51

### Zener voltage Min reverse Typical Maximum zener Range (note1) Voltage Marking Impedance (note 2) Temperature Туре (note1) Number Code coefficient @ I<sub>ZT</sub>=5.0mA Z<sub>ZT</sub>@I<sub>ZT</sub>=5.0mA Zzk@lzk=1.0mA @I<sub>R</sub>=0.1uA Ohms Tc (%/℃) V<sub>R</sub> (volts) V<sub>Z</sub> (volts) Ohms 2.5-2.9 -0.065 AZ23C2V7 KD1 83 500 AZ23C3V0 KD2 2.8-3.2 95 500 -0.060 \_ AZ23C3V3 KD3 3.1-3.5 95 500 -0.055 AZ23C3V6 KD4 3.4-3.8 95 500 -0.055 \_ AZ23C3V9 3.7-4.1 -0.050 KD5 95 500 \_ AZ23C4V3 KD6 4.0-4.6 95 500 -0.035 AZ23C4V7 KD7 4.4-5.0 78 500 -0.015 AZ23C5V1 KD8 4.8-5.4 60 480 +0.005 0.8 AZ23C5V6 KD9 5.2-6.0 40 400 +0.020 1.0 AZ23C6V2 KDA 5.8-6.6 10 200 +0.030 2.0 AZ23C6V8 KDB 6.4-7.2 8.0 +0.045 150 3.0 7.0-7.9 AZ23C7V5 KDC 7.0 50 +0.050 5.0 AZ23C8V2 KDD 7.7-8.7 7.0 50 +0.055 6.0 AZ23C9V1 KDE 7.0 8.5-9.6 10 50 +0.065 AZ23C10 KDF 9.4-10.6 15 70 7.5 +0.065AZ23C11 KDG 10.4-11.6 20 70 +0.070 8.5 AZ23C12 KDH 11.4-12.7 20 90 +0.075 9.0 AZ23C13 KDI 12.4-14.1 25 110 +0.080 10.0 AZ23C15 KDJ 13.8-15.6 30 +0.080 11.0 110 AZ23C16 KDK 15.3-17.1 40 170 +0.090 12.0 AZ23C18 KDL 16.8-19.1 50 170 +0.090 14.0 AZ23C20 KDM 50 220 15.0 18.8-21.2 +0.090AZ23C22 KDN 20.8-23.3 55 220 +0.090 17.0 AZ23C24 KDO 22.8-25.6 80 220 +0.090 18.0 AZ23C27 KDP 25.1-28.9 80 250 +0.090 20.0 AZ23C30 KDQ 28-32 80 250 +0.090 22.5 31-35 AZ23C33 KDR 80 250 +0.090 25.0 AZ23C36 KDS 34-38 90 250 +0.090 27.0 AZ23C39 KDT 37-41 90 300 29.0 +0.110 AZ23C43 D30 40-46 100 700 +0.11032.0 AZ23C47 D31 44-50 100 750 +0.110 35.0 AZ23C51 D32 48-54 100 750 +0.110 38.0

### **Electrical Characteristics** @ $T_A$ = 25°C unless otherwise specified

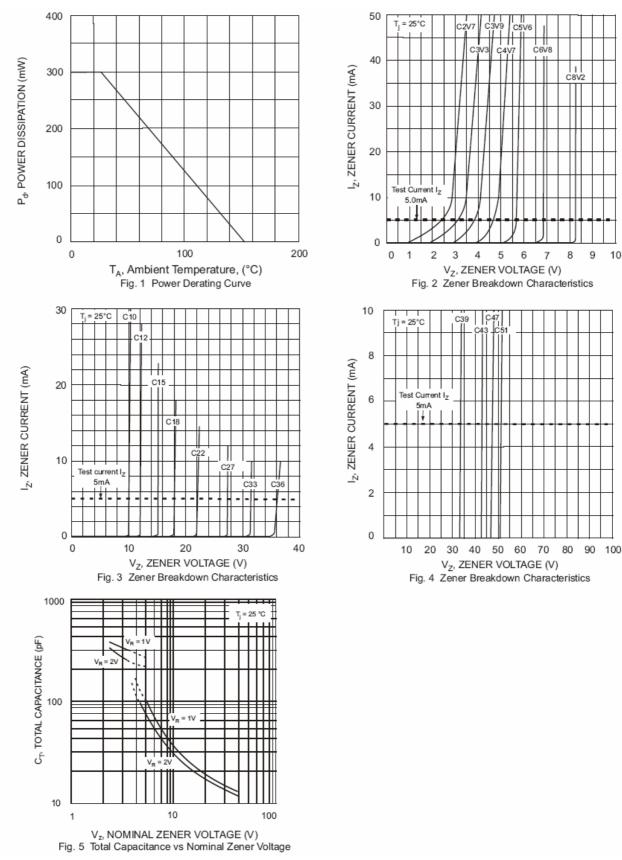
Notes: 1. Short duration test pulse used to minmize self-heating effect.

2. f=1KH<sub>z</sub>

### AZ23C2V7-AZ23C51

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### **Ordering Information :**

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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