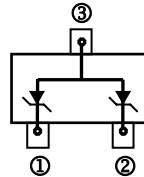


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

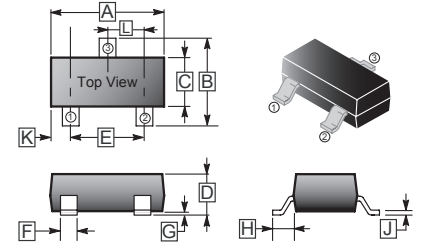
- Dual zeners in common anode configuration.
- Ideally suited for automatic insertion.
- ΔV_z for both diodes in one case is $\leq 5\%$.



PACKAGING INFORMATION

- Weight: 0.0074 grams (approximately)

SOT-323



| REF. | Millimeter | | REF. | Millimeter | |
|------|------------|------|------|------------|------|
| | Min. | Max. | | Min. | Max. |
| A | 1.80 | 2.20 | G | 0.100 REF. | |
| B | 1.80 | 2.45 | H | 0.525 REF. | |
| C | 1.15 | 1.35 | J | 0.08 | 0.25 |
| D | 0.80 | 1.10 | K | - | - |
| E | 1.20 | 1.40 | L | 0.650 TYP. | |
| F | 0.20 | 0.40 | | | |

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

| PARAMETER | SYMBOL | VALUE | UNITS |
|--|-----------------|---------|----------------------|
| Forward Voltage @ $I_F=10\text{mA}$ | V_F | 0.9 | V |
| Power Dissipation | P_D | 250 | mW |
| Thermal Resistance, Junction to Ambient Air | $R_{\theta JA}$ | 417 | $^{\circ}\text{C/W}$ |
| Operating Junction and Storage Temperature Range | T_J, T_{STG} | -65~150 | $^{\circ}\text{C}$ |

ELECTRICAL RATINGS (Rating 25°C ambient temperature unless otherwise specified)

| TYPE NUMBER | MARKING | $V_z @ I_{ZT}$ (Volts) | | | Max. Zener Impedance | | | | Max. Reverse Current | | Temp. Coefficient Of Zener voltage @ $I_{ZT}=5\text{mA}$ (mV/ $^{\circ}\text{C}$) | |
|-------------|---------|------------------------|-----|------|----------------------|-------------------|----------|-------------------|----------------------|--------------------|--|------|
| | | | | | I_{ZT} | $Z_{ZT} @ I_{ZT}$ | I_{ZK} | $Z_{ZK} @ I_{ZK}$ | V_R | $I_{R(max)} @ V_R$ | | |
| | | Min | Nom | Max | mA | Ω | mA | Ω | V | μA | Min | Max |
| AZ23C5V6W | KD9 | 5.32 | 5.6 | 5.88 | 5 | 40 | 1 | 400 | 2.0 | 1 | -2.0 | 2.5 |
| AZ23C6V8W | KDB | 6.47 | 6.8 | 7.14 | 5 | 15 | 1 | 80 | 4.0 | 2 | 1.2 | 4.5 |
| AZ23C10W | KDF | 9.4 | 10 | 10.6 | 5 | 15 | 1 | 70 | 7.0 | 0.2 | 4.5 | 8.0 |
| AZ23C18W | KDL | 16.8 | 18 | 19.1 | 5 | 50 | 1 | 170 | 12.6 | 0.1 | 12.4 | 16.0 |

CHARACTERISTIC CURVES

