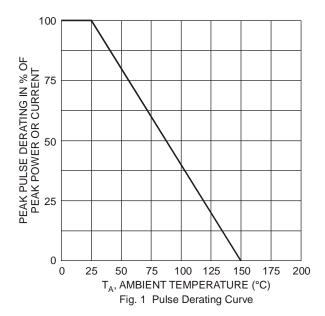


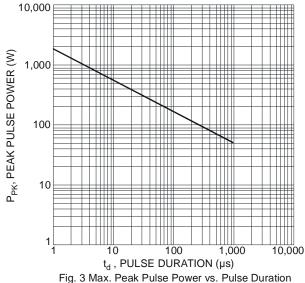
Electrical Characteristics (@T_A = +25°C, unless otherwise specified) (Note 7)

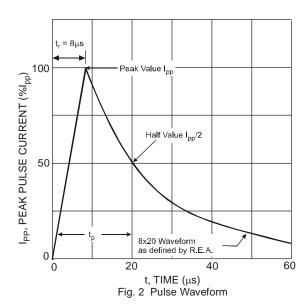
| Reverse Standoff Voltage | Breakdown Voltage V _{BR} @ I _T | | Test Current | Max. Reverse Leakage @ V _{RWM} (Note 6) | Max. Clamping Voltage @ I _{PP} = 5A (Note 7) | Max. Clamping Voltage Vc @ IPP (Note 7) | | Typical Capacitance C _T (Note 8) |
|--------------------------------|--|---------|---------------------|--|---|---|---------------------|---|
| V _{RWM} (V) | Min (V) | Max (V) | I _T (mA) | I _R (μΑ) | V _C (V) | V _C (V) | I _{PP} (A) | (pF) |
| 5 | 6.2 | 7.3 | 1.0 | 10 | 9.8 | 20.6 | 17 | 230 |

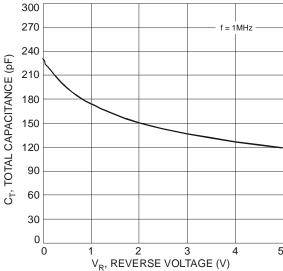
Notes:

- 6. Short duration pulse test used to minimize self-heating effect.
- 7. Clamping voltage value is based on an 8x20 µs peak pulse current (IPP) waveform.
- 8. Measured at $V_R = 0V$, f = 1MHz.







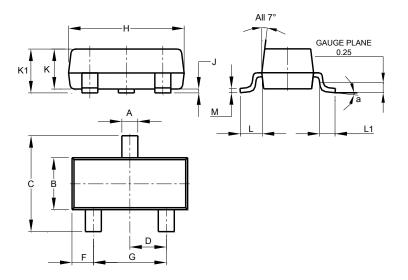




Package Outline Dimensions

Please see http://www.diodes.com/package-outlines.html for the latest version.

SOT23

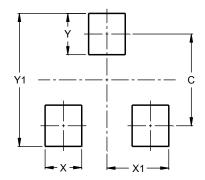


| SOT23 | | | | | | | |
|----------------------|-------|-------|-------|--|--|--|--|
| Dim | Min | Max | Тур | | | | |
| Α | 0.37 | 0.51 | 0.40 | | | | |
| В | 1.20 | 1.40 | 1.30 | | | | |
| C | 2.30 | 2.50 | 2.40 | | | | |
| D | 0.89 | 1.03 | 0.915 | | | | |
| F | 0.45 | 0.60 | 0.535 | | | | |
| G | 1.78 | 2.05 | 1.83 | | | | |
| H | 2.80 | 3.00 | 2.90 | | | | |
| 7 | 0.013 | 0.10 | 0.05 | | | | |
| K | 0.890 | 1.00 | 0.975 | | | | |
| K1 | 0.903 | 1.10 | 1.025 | | | | |
| L | 0.45 | 0.61 | 0.55 | | | | |
| L1 | 0.25 | 0.55 | 0.40 | | | | |
| М | 0.085 | 0.150 | 0.110 | | | | |
| а | 0° | 8° | | | | | |
| All Dimensions in mm | | | | | | | |

Suggested Pad Layout

Please see http://www.diodes.com/package-outlines.html for the latest version.

SOT23



| Dimensions | Value (in mm) | |
|------------|---------------|--|
| С | 2.0 | |
| X | 0.8 | |
| X1 | 1.35 | |
| Υ | 0.9 | |
| Y1 | 2.9 | |



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