



DW27M2T-B-S ESD Protection Diode

Feature

- Bi-directional ESD protection of two lines
- 300Watts peak pulse power ($t_p = 8/20\mu s$)
- Working voltage: 27V
- Junction Capacitance: 7.3pF(Typ)
- Low clamping voltage
- Low leakage current
- IEC 61000-4-2 $\pm 30kV$ contact $\pm 30kV$ air
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 7A (8/20 μs)

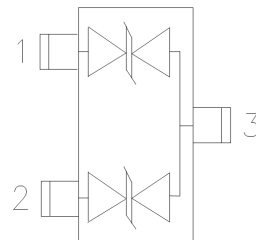
Application

- Cellular Handsets and Accessories
- Notebooks and Handhelds
- Portable Instrumentation
- Set Top Box
- Industrial Controls
- Server and Desktop PC

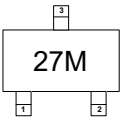
Mechanical Data

- Package: SOT-23
- Molding compound flammability rating: UL 94V-0
- RoHS/WEEE Compliant

Schematic & PIN Configuration

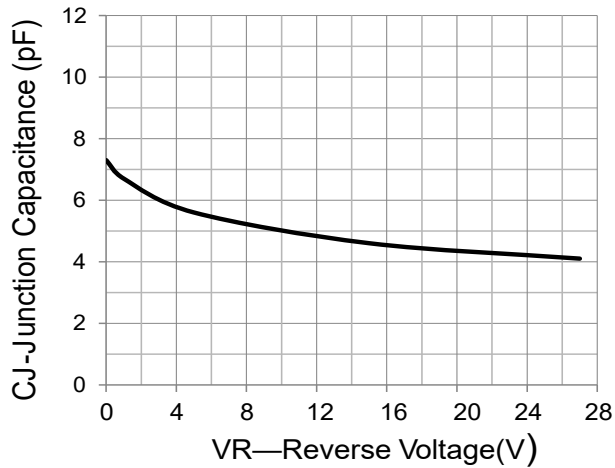


Ordering Information

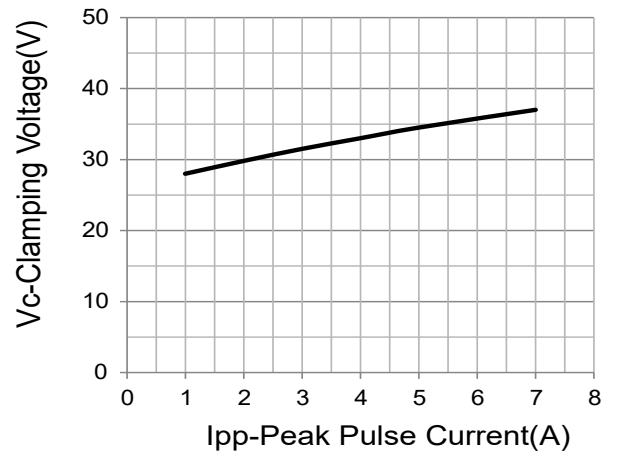
Part Number	Package	Marking	QTY per Reel	Reel Size
DW27M2T-B-S	SOT-23		3000 pcs	7 inches



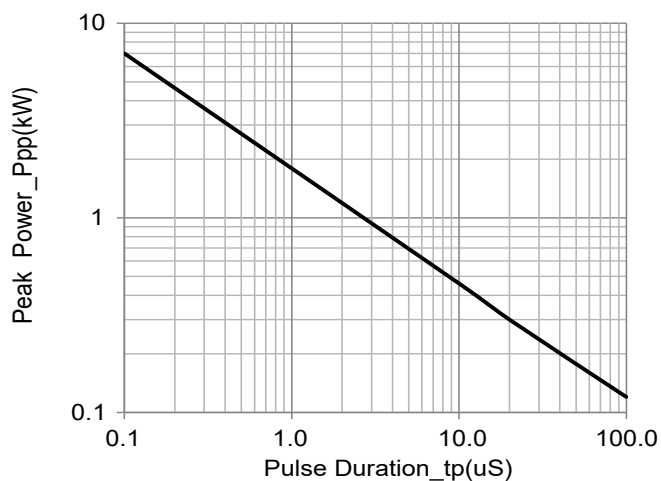
Typical Characteristics



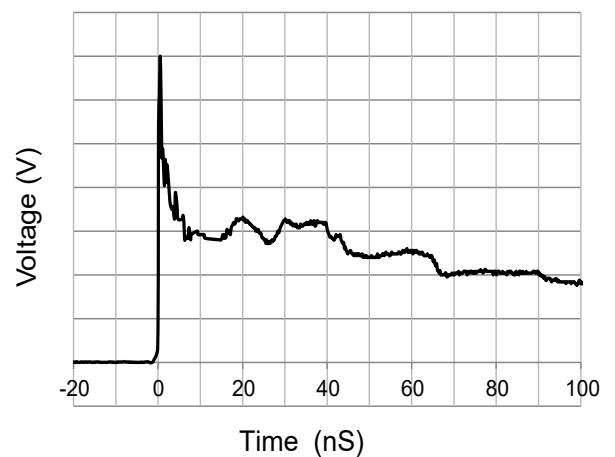
Junction Capacitance vs. Reverse Voltage



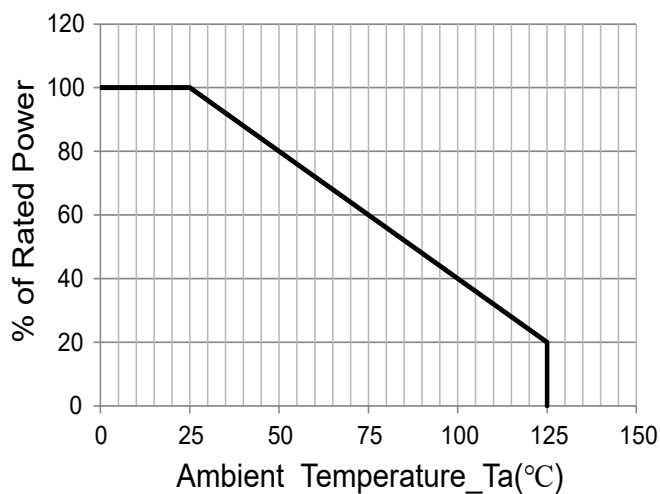
Clamping Voltage vs. Peak Pulse Current



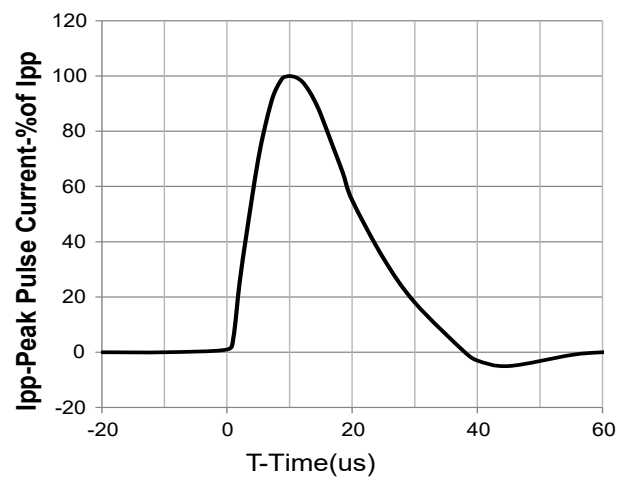
Peak Pulse Power vs. Pulse Time



IEC61000-4-2 Pulse Waveform



Power Derating Curve



8 X 20us Pulse Waveform

