



Powermite Series Reliability & Qualification Data

This is the reliability and qualification data for the Powermite Series.

Features

Surface Mount Packaging	Polarity designated by TAB
Integral Heat Sink Locking Tabs	Mounting position - any
Compatible with automatic insertion equipment	Molded Package
Full metallic bottom eliminates flux entrapment	Low Noise
Zener voltage 1.8 to 100V	Low reverse leakage

Maximum Ratings

Junction and storage temperatures: -55° C to 150° C
 DC power dissipation: 1 watt
 Forward voltage: @ 200 mA 1.1 volts

Stress	Results
Moisture Classification	Level 1 Package - No Drypack Required
ESD Sensitivity	Non-sensitive – No special handling required
Autoclave	0/110 @ 100% Humidity @ 30 p.s.i. (96 Hours) 130° C
Temperature Cycle	0/160 @ 1000 temp. cycles (-65° C to 200° C)
High Temperature Reverse Bias	0/160 @ 125° C (1000 Hours)
Humidity	0/45 @ 85° C – 85% Humidity (1000 hours)

1PMT1101

Series: 1PMT4614 - 1PMT4627
 1PMT4099 - 1PMT4135
 1PMT5913B-1PMT5956B

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