



High Power Transient Voltage Protection Axial Lead Series Reliability & Qualification Data

This is the reliability and qualification data for the High Power Transient Voltage Suppression Series.

Features

Molded axial lead
5K-30K Watts Peak Pulse Power Dissipation
Stand Off Voltages from 5V – 280V

Mechanical

Unipolar or Bipolar
Weight: 2.5 grams maximum
Polarity: Marked with Band

Maximum Ratings

5K-30K Watts of Peak Pulse Power Dissipation
Operating Temperatures: -55° C to 150° C
Storage Temperature: -55° C to 155° C
Forward Surge Rating: 200Amps (1/20 second)
Steady State Power Dissipation 5.0 W @ $T_L = 75^{\circ}\text{C}$

Stress	Results
Moisture Classification	Level 1 Package - No Drypack Required
ESD Sensitivity	Non-sensitive – No special handling required
Steady State Life	0/50 @ 25° C – T_J 150° C
Temperature Cycle	1/350 @ 1000 temp cycles (65 C to 200 C)
High Temperature Reverse Bias	0/350 @ 125° C (1000 Hours)
Humidity	0/200 @ 85° C 85% Humidity (1000 hours)

5KP1101

Series: 5KP5.0 - 5KP110A
15KP17 - 15KP280A

John Freeman
Director of Engineering

Bill Jones
Director of Quality Control and
Reliability Assurance