



MDM-300 TELEPHONE LINE PROTECTION



The **MDM-300** is a telephone line surge suppressor designed to protect sensitive dial-up circuitry used in high-speed modem applications. The protection circuit implements a two-stage hybrid circuit consisting of a Silicon Breakover device and Positive Coefficient Thermistors for protection against surge and follow-on currents. The **MDM-300** features easy to use RJ-14 input (field/unprotected) and RJ-14 output (equipment/protected) connections. The **MDM-300** can be easily mounted using screws or double-sided tape. The **MDM-300DOT** incorporates an additional gas discharge tube protection stage for high exposure traffic equipment installations.

Performance Capabilities:

Peak Current @ 8 x 20us	differential mode 200 amps
.....	common mode 200 amps
Clamp Voltage (Before Breakover)	300V
(After Breakover)	10V
Response Time	<1ns
Surge Life	25 occurrences @ 100A (8 x 20us)
Capacitance	<100pf
Technology	Two Stage Hybrid
Connections	RJ-14 (only the center pair are protected/connected)
Operating Temperature	-40C to +85C
Weight	5 oz.
Dimensions	2.3"L x 1.6"L x 0.9"H

GroundingThe MDM-300 ground wire (green) must be connected to local AC power ground for proper performance.