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 Thermisters 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
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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

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

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