

# Data/Signal Line Protection

## MODEL

### DLP-5.24-F/F

#### TNC Connector Coaxial Protector



## MODEL

### DLP-5.24-M/F

#### TNC Connector Coaxial Protector



The DLP-5.24 is a high bandwidth protector used to protect many 50 Ohm based coaxial systems up to 780 Watts power. Typical applications are broadband systems, two-way radios, cellular systems, wireless LAN, coaxial cables, and amateur radio equipment. The DLP-5.24 uses a rugged gas discharge tube which bypasses the surge to ground thus protecting downstream equipment. Installs in minutes indoors or outdoors, uses TNC connectors, and is covered by MCG's 20-year, "No-Nonsense" warranty.

Technology: Gas Discharge Tube (GDT)  
 Ipk: 20kA 8 x 20  $\mu$ s  
 DC Sparkover Voltage (100V/s): 90-130V (-2 mdl.)  
 200-300V (-4 mdl.)  
 400-600V (-7 mdl.)  
 Impulse Sparkover Voltage: 1kv/  $\mu$ s:  $\leq$  750V  
 Insulation Resistance: 100V,  $>10^{10}$  Ohms  
 Glow Voltage:  $\leq$ 100V  
 Arc Voltage:  $\leq$ 25V  
 DC Holdover:  $\geq$ 80V  
 Capacitance, 1MHz:  $\leq$ 0.7pF  
 AC Discharge Current: 5A, 1s, 5 operations  
 Impulse Life: 20kA, 8 x 20  $\mu$ s, 1 operation  
 50A, 10 x 1000  $\mu$ s, 300 times  
 DC Pass: Up to +/-48V  
 VSWR:  $<1.2:1$   
 Insertion Loss:  $\leq$ 0.1dB

Operation: Bi-Directional  
 Installation: Series Installed  
 Field Replaceable GDT: Yes  
 Frequency Range: DC-5GHz  
 Return Loss:  $\geq$ 20dB  
 Power: 25W, 190W, or 780W max.  
 Current: 10A Max  
 Impedance: 50 Ohms  
 Connector: TNC  
 Grounding: M6 Screw, Bulkhead, Bracket  
 Environmental Rating: IP65 (Waterproof)  
 Operating Temp/Altitude: -50° C to +85° C 13,000 ft (4,000m)  
 Relative Humidity: 5 to 95% non-condensing, up to 100%  
 Weight: 4.4 oz., 125 grams  
 Certification: UR (GDT), CCN: QVQG2

#### Ordering Information

Model DLP-5.24-F/F - XXX  
 Model DLP-5.24-M/F - XXX

#### TNC connector type

(Female/Female)  
 (Male/Female)

#### Dimensions

2.21"L x 1.45"W (56.1mm L x 36.8mm W)  
 2.49"L x 1.45"W (63.2mm L x 36.8mm W)

-XXX denotes max. system power: -2 = 25W max., -4 = 190W max., -7 = 780W max.

Optional Mounting Bracket: Model MB-TNC



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