

Data/Signal Line Protection

MODEL

DLP-5.23-F/F

BNC Connector Coaxial Protector



MODEL

DLP-5.23-M/F

BNC Connector Coaxial Protector



The DLP-5.23 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-5.23 uses a rugged gas discharge tube which bypasses the surge to ground thus protecting downstream equipment. Installs in minutes indoors or outdoors, uses BNC connectors, and is covered by MCG's 20-year, "No-Nonsense" warranty.

Technology: Gas Discharge Tube (GDT)
 Ipk: 20kA 8 x 20 μ s
 DC Sparkover Voltage (100V/s): 90-130V (-2 mdl.)
 200-300V (-4 mdl.)
 400-600V (-7 mdl.)
 Impulse Sparkover Voltage: 1kv/ μ 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 μ s, 1 operation
 50A, 10 x 1000 μ 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: BNC
 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: QVGQ2

Ordering Information

Model DLP-5.23-F/F - XXX
 Model DLP-5.23-M/F - XXX

BNC connector type

(Female/Female)
 (Male/Female)

Dimensions

2.41"L x 1.45"W (61.2mm L x 36.8mm W)
 2.70"L x 1.45"W (68.9mm L x 36.8mm W)

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

Optional Mounting Bracket: Model MB-BNC



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