

Data/Signal Line Protection

MODEL	MODEL
DLP-5.24-F/F	DLP-5.24-M/F
TNC Connector Coaxial Protector	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)	Operation:	Bi-Directional
I _{pk} :	20kA 8 x 20 μ s	Installation:	Series Installed
DC Sparkover Voltage (100V/s):	90-130V (-2 mdl.) 200-300V (-4 mdl.) 400-600V (-7 mdl.)	Field Replaceable GDT:	Yes
Impulse Sparkover Voltage:	1kv/ μ s: $\leq$ 750V	Frequency Range:	DC-5GHz
Insulation Resistance:	100V, $>10^{10}$ Ohms	Return Loss:	≥ 20 dB
Glow Voltage:	≤ 100 V	Power:	25W, 190W, or 780W max.
Arc Voltage:	≤ 25 V	Current:	10A Max
DC Holdover:	≥ 80 V	Impedance:	50 Ohms
Capacitance, 1MHz:	≤ 0.7 pF	Connector:	TNC
AC Discharge Current:	5A, 1s, 5 operations	Grounding:	M6 Screw, Bulkhead, Bracket
Impulse Life:	20kA, 8 x 20 μ s, 1 operation 50A, 10 x 1000 μ s, 300 times	Environmental Rating:	IP65 (Waterproof)
DC Pass:	Up to ± 48 V	Operating Temp/Altitude:	-50° C to +85° C 13,000 ft (4,000m)
VSWR:	$< 1.2:1$	Relative Humidity:	5 to 95% non-condensing, up to 100%
Insertion Loss:	≤ 0.1 dB	Weight:	4.4 oz., 125 grams
		Certification:	UR (GDT), CCN: QVGQ2

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

