

Wide Band Lightning Protector

LP3G-TNC

The LP3G-TNC Lightning Protector is a gas discharge tube suppressor featuring wide-band operation up to 3 GHz. This unit features a TNC-Male to TNC-Female Bulkhead connector with a rubber O-ring seal for mounting through an enclosure wall or with the included aluminium mounting bracket.



Due to its low cost and superior RF performance, this unit is ideal for IEEE 802.11b and 802.11g Wireless LAN applications, as well as ISM, MMDS, Cellular, and PCS applications. Since this protector will pass DC, it is suitable for applications where DC is carried through the coax cable, such as remote amplifiers and LNAs.

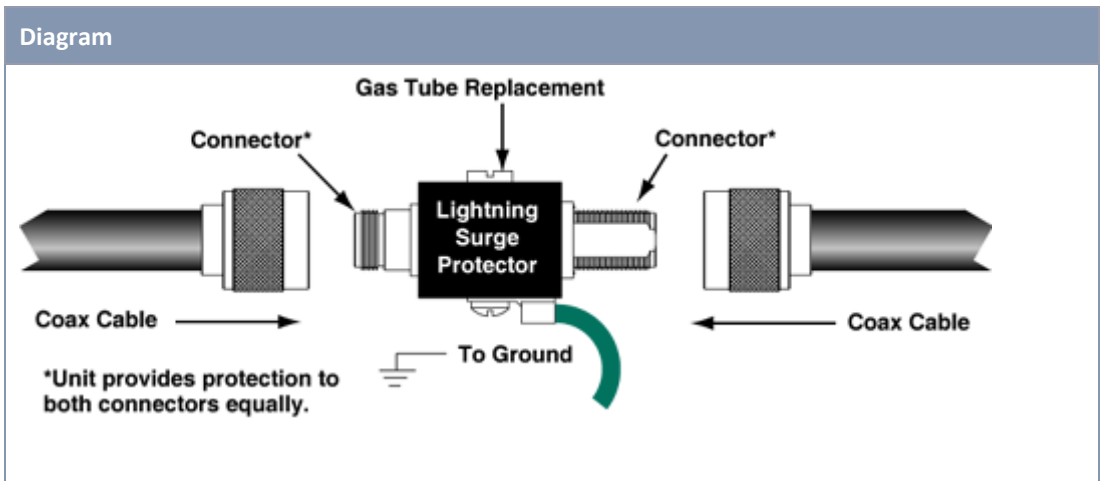
Both connector ports of this unit are equally protected. This provides protection no matter which way it is installed. Either port can face the antenna and either port can face the equipment.

Ordering Information			
Art.no	Description		
9301-1001	Wide band Lightning protector		
<ul style="list-style-type: none"> • Wide band 0 – 3GHz • Bi-directional protection • Multi-strike capability • Gas discharge tube compressor • Mounting bracket / bulkhead enclosure mounting 			
Specifications			
Electrical		Mechanical	
Frequency	0-3GHz	Dimensions	78 x 40 x 20mm
Impedance	50 Ω	Weight	90g
VSWR	1:1.3 max	Connector	TNC (m) / TNC (f) bulkhead
Insertion Loss	0.4dB max	Material	Aluminium

Gas Tube Element DC Breakdown Voltage	90V 20%	Environmental	
Gas Tube Impulse Breakdown Voltage	1000V 20%	Operating Temp.	-55°C to 85°C
Gas Tube Insulation Resistance	10,000 MΩ	Ingress Protection	IP65 / IEC 529
Maximum Withstand Current	5KA		

Other

This part is RoHS compliant



Additional Part Required

Part Number	Description	Notes
ANTC-868-20CM	20cm flexible fly lead	Connects router/modem to LP3G-TNC
ANTC-868-LP-x	Coaxial feeder cable	Connects LP3G-TNC to antenna
ANTC-2400-LP-x	Low loss coaxial feeder cable	Connects LP3G-TNC to antenna

x = length in metres (multiples of 5m available)