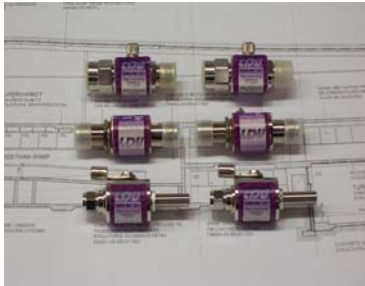


TECHNICAL DATA SHEET COAXIAL SURGE PROTECTION

Product Description:



The GATEKEEPER range of Coaxial Surge Protectors (GKCP) contain a high-speed gas filled surge arrestors which clamp the over voltage limiting the residual voltage for fast rise time transients. The use of low capacitance gas filled arrestors ensures operation at high frequencies with low insertion loss. The GKCP is available in either an inline or bulkhead configuration with the appropriate connectors on each end. The device is designed to minimise circuit capacitance and present a 50 or 75-ohm impedance so that performance up to 2.1 GHz is assured. Standard models provide protection up to 50W power level. Models for higher power levels are readily available on request.

Features:

- Optimal transmission performance
- Simple installation
- High impulse carrying capacity
- Stainless Steel Casing

Installation:

Connect the inline protector as close as possible to the equipment being protected. It is extremely important that the coaxial sheaths are earthed at the building point of entry. The preferred method of installation for the bulkhead models is at the point of entry of the building of the cable. The bulkhead mount allows a secure earth connection to the cable entry plate.

Electrical Specification:	GKCPN	GKCPBNC	GKCPF
Application:	Coaxial Protection		
Clamping Voltage – Line to screen:	90VDC		
Maximum Discharge Current (8/20µs):	20KA		
RF Peak Power Level	50W		25W
Voltage Protection Level (1KV/µs):	< 700V		
Other RF Power Levels Available:	50, 125, 300, 600, 1000W		
Bandwidth:	2.1 GHz		2GHz
Insulation Resistance:	>10 ¹⁰ ohms		
Capacitance	< 1.5pF		
Insertion Loss:	<0.5dB @ 2GHz		
VSWR:	<1.3		
Cable Impedance:	50 Ohm		75 Ohm
Operating Temperature:	-10 to 80°C		
Standard Compliance	IEC 61643:21-2000, ANSI C62.41, AS/NZS 1768-2007		
Surge Tested To	ANSI C62.41 Cat A, Cat B, Cat C, AS/NZS 1768-2007 Cat A, Cat B, Cat C		
Mechanical Specifications:			
Connection type:	In line or Series		
Max Bulkhead Thickness	3.5mm		15mm
Available in Bulkhead configuration:	YES		

Key: Example: GKCP-N-600

Gatekeeper	Connection Type		
GK	CP	-	N
Application	Watts	-	Watts
	600		