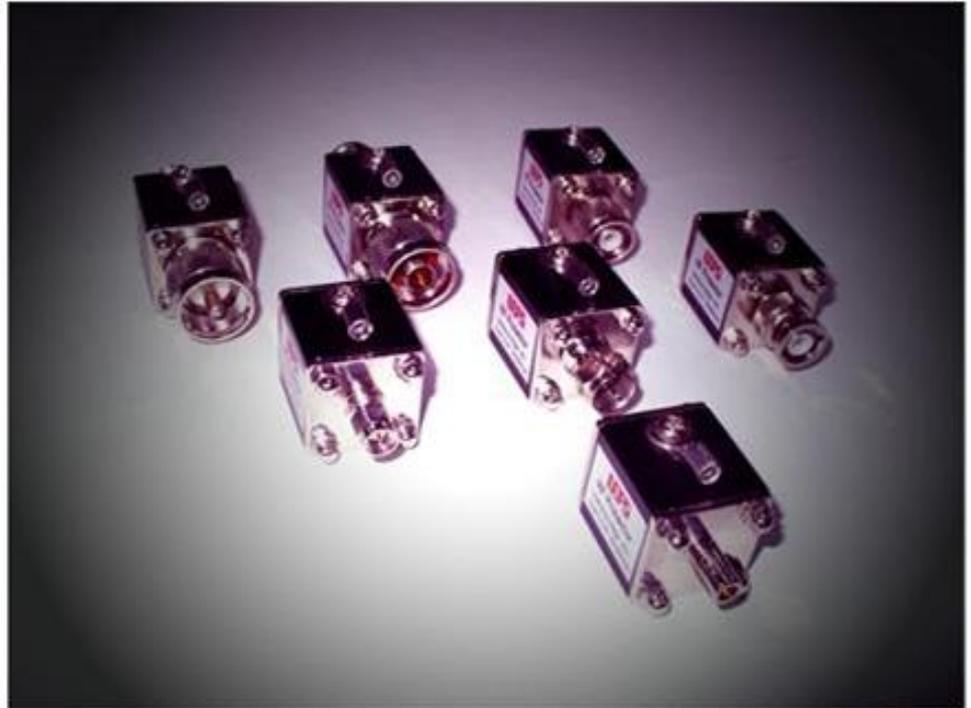




RF COAXIAL PROTECTOR

Offers robust and versatile broadband protection for radio telemetry or mobile communications system like Wireless LAN, ISM, MMDS, PCS, and other cellular base stations

- ◆ **Reliable RF performance**
from DC ~ 2GHz
- ◆ **Multi-strike capability**
- ◆ **Bi-directional protection**
- ◆ **AC/DC pass**
- ◆ **High quality construction**
- ◆ **Full range of connector type**



Reliable RF performance from DC~

2GHz -LEPS CGP series of coaxial RF protectors are high performance gas discharge tube suppressor capable of wide-band operation from DC to 2GHz. Due to its versatile designs, it is ideal for Wireless LAN, ISM, MMDS, PCS and any other cellular base station protection.

Multi-strike capability -The gas tube element used is a carefully selected good quality, fast response and high surge rating elements which can minimize let-through voltage and capable of handling multi-strike in any lightning intensive environment.

Bi-directional protection -Both connector ports of this protector are equally protected. This provides protection no matter which way it is installed.

AC/DC pass -As it will pass AC/DC so it is suitable for applications where AC/DC is carried through the coaxial cable such as remote amplifier and LNAs in outdoor tower.

High quality construction -Every

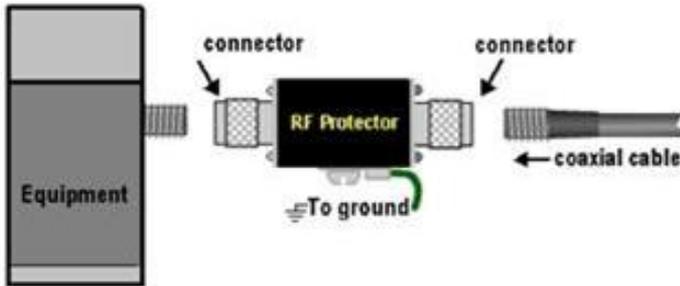
part of the CGP protector is engineered to industry's best quality standards which not only ensures superior RF performance but also makes it suitable to be used in any harsh environment.

Full range of connector type -

No matter which type of connector is required, CGP series has the right model to meet the requirements.

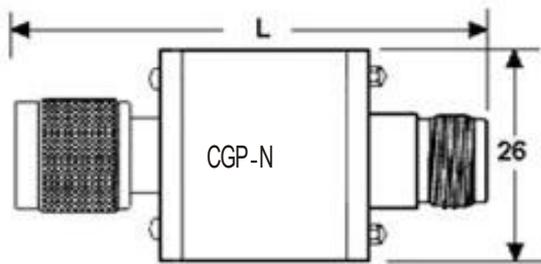


Installation



For detail installation requirements, pls refer to relevant user manual.

Dimensions and Weight



MODEL	L(mm)	WEIGHT(g)
CGP-B	58	61
CGP-B/R	58	60
CGP-N	65	91
CGP-N/R	65	89
CGP-U	64.5	80
CGP-F	58	61
CGP-T	60.7	67
CGP-SMA	51.3	52
CGP-SMB	47	50
CGP-SMB/R	47	51

Ordering Information

MODEL	DESCRIPTION	CONNECTOR
CGP-B	RF coaxial protector	BNC female to male, 50 Ω
CGP-B/R	RF coaxial protector	BNC female to male, 75 Ω
CGP-N	RF coaxial protector	N female to male, 50 Ω
CGP-N/R	RF coaxial protector	N female to male, 75 Ω
CGP-U	RF coaxial protector	U female to male, 50 Ω
CGP-F	RF coaxial protector	F female to male, 75 Ω
CGP-T	RF coaxial protector	TNC female to male, 50 Ω
CGP-SMA	RF coaxial protector	SMA female to male, 50 Ω
CGP-SMB	RF coaxial protector	SMB female to male, 50 Ω
CGP-SMB/R	RF coaxial protector	SMB female to male, 75 Ω

Notes:

- (1) If male/male(M/M) or female /female(F/F) connector type is required, add "M" or "F" respectively at the end of the model number before ordering
- (2) For higher operating power levels, please specify:
 CGP-x230: 41 - 125W;
 CGP-x350: 126 - 300W;
 CGP-x600: 301 - 800W
 CGP-x1000: 801 - 2000W

General Specifications

Electrical Specifications:

Frequency range:	0-2GHz
VSWR:	<1.2:1
Return loss:	>26dB
Insertion loss:	<0.3dB
Impedance:	50Ω for all models (75Ω available for N, BNC, F, SMB)
Response time:	<5ns
Peak surge rating:	20KA(8/20μ s)
DC sparkover voltage:	90V±20% (230, 350, 600, 1000V)
Maximum power:	0 - 2000W (see ordering information)
Standards compliance:	ITU(CCITT)1X K17 AS1768-2003 Cat.A.B.C BS6651-1999 Cat.A.B.C CP33-1996 Cat.A.B.C IEC 61643-21 UL497B

Mechanical Specifications:

Body material:	Anodized aluminum
Contact pin:	Brass(silver/gold plated)
Contact socket:	Beryllium or tin brass (silver/gold plated)
Elastic contact:	Beryllium or tin brass (silver/nickel plated)
Insulator:	PTFE
Earth connection:	Via M4 screw ground lug
Mounting:	L shape bracket (optional)

Environmental Specifications:

Operating temperature:	-40-85°C
Humidity:	0-95% (R.H.)
Altitude	0-3650m
IP rating:	IP20
Salt fog:	MIL-STD-202 101D/B
Temperature shock:	MIL-STD-202 107D/A-1