

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 ~ 3GHz
- ◆ **Multi-strike capability**
- ◆ **Easily replaceable gas discharge tube**
- ◆ **Bi-directional protection**
- ◆ **AC/DC pass**
- ◆ **High quality construction**
- ◆ **Full range of connector type**



Reliable RF performance from DC~3GHz

LEPS CGR series of coaxial RF protectors are high performance gas discharge tube suppressor capable of wide-band operation from DC up to 3GHz(N ,SMA and D type connector) 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 minimized let-through voltage and capable of handling multi-strike in any lightning intensive environment

Easily replaceable gas discharge tube -CGR protectors features easily replaceable gas tube arrester elements which makes it simple, fast and cost-effective in case replacement of the gas tube is required

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 CGR 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-

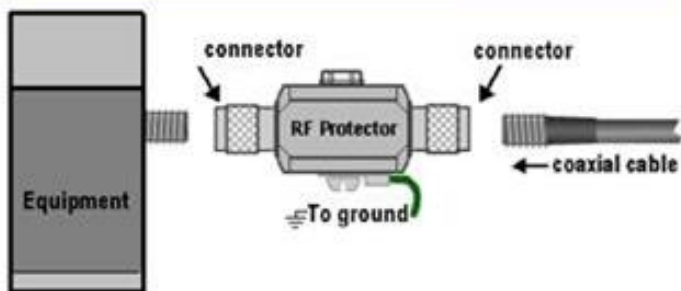
No matter which type of connector is required ,CGR series has the right model to suit the applications In addition ,bulkhead versions are also available for panel mounting





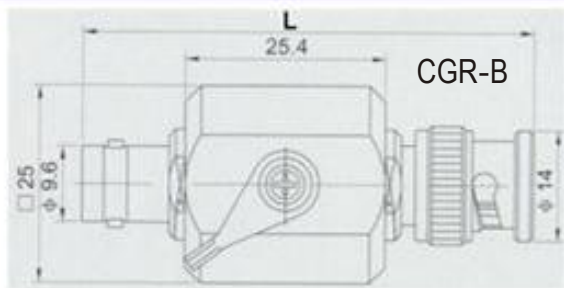
SPECIFICATIONS AND DRAWINGS

Installation



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

Dimensions and Weight



MODEL	L(mm)	WEIGHT(g)
CGR-B	57.2	84
CGR-B/R	57.2	83
CGR-N	59.2	141
CGR-N/R	59.2	139
CGR-N/B	77.3	295
CGR-N/B/R	77.3	292
CGR-D	69	215
CGR-D/B	77.1	284
CGR-U	59.2	130
CGR-F	52.7	84
CGR-T	57.2	120
CGR-SMA	48.4	107
CGR-SMB	44	105
CGR-SMB/R	44	106

Ordering Information

MODEL	DESCRIPTION	CONNECTOR
CGR-B	RF protector ,GDT replaceable	BNC (F to M), 50 Ω
CGR-B/R	RF protector ,GDT replaceable	BNC (F to M), 75 Ω
CGR-N	RF protector ,GDT replaceable	N (F to M), 50 Ω
CGR-N/R	RF protector ,GDT replaceable	N (F to M), 75 Ω
CGR-N/B	RF protector ,GDT replaceable	N (F to M,) bulkhead, 50 Ω
CGR-N/B/R	RF protector ,GDT replaceable	N (F to M), 75 Ω
CGR-D	RF protector ,GDT replaceable	7/16 (F to M), 50 Ω
CGR-D/B	RF protector ,GDT replaceable	7/16 (F to M,) bulkhead, 50 Ω
CGR-U	RF protector ,GDT replaceable	U (F to M), 50 Ω
CGR-F	RF protector ,GDT replaceable	F (F to M), 75 Ω
CGR-T	RF protector ,GDT replaceable	TNC (F to M), 50 Ω
CGR-SMA	RF protector ,GDT replaceable	SMA (F to M), 50 Ω
CGR-SMB	RF protector ,GDT replaceable	SMB (F to M), 50 Ω
CGR-SMB/R	RF protector ,GDT replaceable	SMB (F to M), 75 Ω

Notes:

- If male/male(MM) or female /female(FF) connector type is required, add "M" or "F" respectively at the end of the model number before ordering
- For higher operating power levels, please specify:
 CGR-x230: 41 - 125W;
 CGR-x350: 126 - 300W;
 CGR -x 60 0: 301 -8 00W
 CG R -x1000: 801 - 2000W

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 Email: sales@lepstech.com

General Specifications

Electrical Specifications:

Frequency range:	0-3GHz
VSWR:	<1:1
Return loss:	>26dB
Insertion loss:	<0.2dB
Impedance:	50Ω for all models (75Ω available for N, BNC, F, SMB)
Response time:	< 5ns
Peak surge rating:	20KA(8/20 μ 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:	Brass (Nickel plated)
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
O-ring material:	Silastic
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:	IP65
Moisture resistance: Salt fog:	MIL-STD-202 Method 106D
Temperature shock:	MIL-STD-202 101D/B
Vibration:	MIL-STD-202 107D/A-1
	MIL-STD-202 Mehtod 204D/B

Local Distributor:

