

GD Tube Surge Arrestor

DC ~ 2.5 GHz

CSG 7240 GDLP

PARAMETERS	SPECIFICATIONS
Frequency Range	DC-2.5 GHz
Connector	N-Male / N- Female
Impedance	50 Ω
VSWR	$\leq 1.4 : 1$
Insertion Loss	0.2dB Typical
Maximum Handling Power (25 °C)	100 W Typical
Insulation Resistance	DC 100 V more than 50 M Ω
DC Discharge Voltage	DC 230 V \pm 20 %
Initial Impulse Wave Discharge Voltage	Less than 700 V 1 KV / μ sec
Rated Impulse Wave Discharge	10 KA 8 / 20 μ sec 5 times
Ground Connection	By Feed Through or Screw Terminal
Working Temperature	-30 °C ~ +85 °C
Dimensions	80 x 45 x 18 mm
Weight (Approx.)	115 grams



WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT



Lightning Protectors – Quarter wave Stub CSG 7xxx-LP

Description

CSG Lightning Protectors are coaxial devices using N Female connection interfaces. These can operate at current and future wireless communication bands (2G, 3G...)

Maximum VSWR is less than 1.20 in the working frequency band. Our Lightning Protectors are silver plated with a Non-Magnetic BBR* over-plating to provide protection against corrosion.

(*BBR is a non-magnetic material which provides a superior non-tarnishing surface).

Our Lightning Protectors have dust and water protection complying IP67 for indoor and outdoor applications. These are reversible and can be used in either direction. These have been successfully tested under vibration, salt spray and thermal shock conditions.

CSG 7xxx LP Quarter wave Series Lightning protector is a 3-port Coaxial device. One port is a metallic short-circuit between the Inner and the outer conductors, whose length is one quarter of the wavelength at the centre frequency.

Quarter wave stubs operate like a Band pass Filter. These operate within a specified frequency band.

Features

- Achieve high passive inter-modulation performance (-110 dBm / -153 dBc)
- May pass low residual voltage of less than 15 volts
- Do not pass DC signals and thus incorporate a long stub element
- Can handle Repeated Surges
- No Maintenance required



WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT

2.4 GHz Quarter wave Surge Arrestor CSG 7240 LP

PARAMETERS	SPECIFICATIONS
Frequency Range	2.4 – 2.5 GHz
Nominal Impedance	50 Ohms
VSWR	$\leq 1.2 : 1$
Insertion Loss	≤ 0.20 dB
Max Impulse Discharge Current	20 KA
Compatibility	With N Plug & Jack
Connector	N(F) ~ N(M)
Weight (Approx)	0.140 kg
Operating Temperature Range	-30 °C ~ +70°C



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5.8 GHz Quarter wave Surge Arrestor CSG 7580 LP

PARAMETERS	SPECIFICATIONS
Frequency Range	5100 ~ 5800 MHz
Insertion Loss	≤ 0.2 dB
Impedance	50Ω
In band Ripple	≤ 0.1 dB
VSWR	$\leq 1.2 : 1$
Max. Current	100 KA
Max. Power	500 Watts
Connector	N (F) – N (F)
Dimensions (Approx)	70 mm×40mm×33mm



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Surge Arrestors–Gas Discharge Type CSG 7xxx – GDLP

Description:

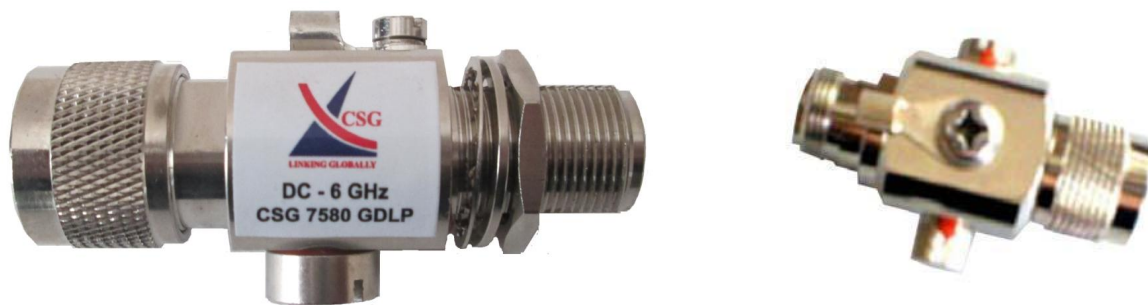
CSG 7xxx GDLP series Gas Discharge Tube Based Surge Arrestors are in-line coaxial adapters using N Female connectors. Gas Discharge Tubes contain a field-replaceable gas capsule located between the inner and outer conductors.

Their operating frequency band is DC to 6.0 GHz.

Gas Discharge Tube Surge Arrestors Protectors are ideal when DC injection is required, for example when a Tower Mount Amplifier is utilized.

Features:

- Bi-Directional
- Wide band Performance
- Divert impulses of 20 KA or one of 40 KA
- Compact Design



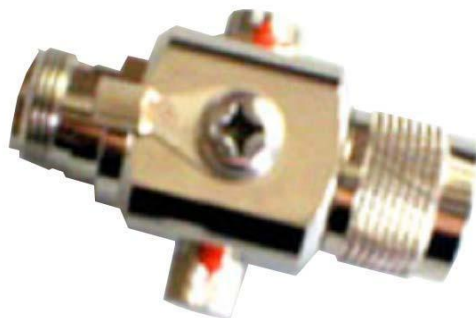
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GD Tube Based Surge Arrestor

DC ~ 2.5 GHz

CSG 7240 GDLP

PARAMETERS	SPECIFICATIONS
Frequency Range	DC ~ 2500 MHz
Impedance	50 Ω
Insertion Loss	0.2 dB
VSWR	$\leq 1.2 : 1$
Impedance	50 Ω
Max. Power	200 Watt
Discharge Voltage	DC 230 V \pm 15 V
Insulation Resistance	≥ 10000 M Ω (DC100 V)
Connector	N-Male / N-Female
Dimensions	58 x 25 x 35 mm
Weight (Approx.)	140 grams



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GD Tube Surge Arrestor

DC ~ 6.0 GHz

CSG 7580 GDLP

PARAMETERS	SPECIFICATIONS
Frequency Range	DC-6 GHz
Connector	N-Male / N- Female
Impedance	50 Ω
VSWR	$\leq 1.4 : 1$
Insertion Loss	0.1 dB @ 1 GHz, 0.2 dB @ 2 GHz 0.4 dB @ 3GHz, 0.5 dB @ 5 GHz 0.6 dB @ 6 GHz
Maximum Handling Power (25 °C)	250 W @ 300 MHz, 160 W @ 500 MHz 100 W @ 900 MHz, 75 W @ 1.2 GHz 52 W @ 1.9 GHz, 42 W @ 2.4 GHz 36 W @ 3 GHz, 10 W @ 6 GHz
Insulation Resistance	DC 100 V more than 50 M Ω
DC Discharge Voltage	DC 230 V \pm 20 %
Initial Impulse Wave Discharge Voltage	Less than 700 V 1 KV / μ sec
Rated Impulse Wave Discharge	10 KA 8 / 20 μ sec 5 times
Ground Connection	By Feed Through or Screw Terminal
Working Temperature	-30 °C ~ +85 °C
Dimensions	60.1 x 31 x 23 mm
Weight (Approx.)	125 grams



WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT