

## 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	$\leq 0.20$ 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	$\leq 0.2$ dB
Impedance	$50 \Omega$
In band Ripple	$\leq 0.1$ 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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