

# RF MAX surge protection

Coaxial power surge protectors N-type or 7/16" DIN

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Suitable for frequencies up to 2.5 GHz and power rating of up to 40 Watts, the RF MAX model FLA1792 and LA-1792 coaxial power surge protectors are specifically designed to be mounted through the wall of a building where your transmitter is located.

In the event of any power surge over 230 Volts DC, the fast response, gas filled arrestor instantly activates, clamping the voltage between the inner and outer conductors of the coaxial cable. This virtual short circuit diverts the power surge to ground and gives your transmission equipment the greatest chance of survival.

Following any lightning strike, the gas discharge tube will have been destroyed. The surge protector will then need to be replaced.

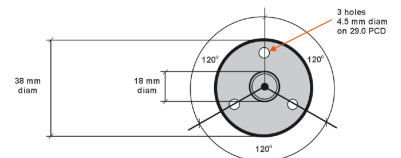
Specifications	FLA-1792	LA-1792	LA-1792-3
Connectors	N-type female bulkhead to N-type female		N-type female to N-type female
Construction	Chrome brass	Chrome brass	Chrome brass
Maximum operating frequency	DC-2.5GHz		DC-3GHz
Sparkover voltage	Above 230 Volts DC		
Maximum power	40 Watts	40 Watts	100 Watts
Impedance	50 Ohms	50 Ohms	50 Ohms
VSWR	Less than or equal 1.15:1		
Insertion loss	Less than or equal 0.2dB		
Earthing	Lug provided - attached to side		
Operating temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Dimensions	70mm long, 33mm diameter FLA-1792 - 38mm diameter flanges		64mm x 33mm
Weight	145grams	140grams	140grams
Mounting	Through wall up to 12mm thick		N/A
Weather-proofing	Non-acetic silicon sealant		

N-type female to male and 7/16" DIN model on following page.



FLA-1792 flange mount

Mounting diagram- FLA1792



LA-1792



LA-1792

## RF MAX surge protection

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Suitable for frequencies either up to 3GHz and power rating of 40Watts or 200Watts, the LA-1793 series of coaxial surge protectors are designed to be installed where your transmitter is located.

In the event of any power surge, the fast response, gas filled arrestor instantly activates, clamping the voltage between the inner and outer conductors of the coaxial cable. This virtual short circuit diverts the power surge to ground and gives your transmission equipment the greatest chance of survival.

Following any lightning strike, the gas discharge tube will have been destroyed. The surge protector will then need to be replaced.



Specifications	LA-1793	LA-1793-2	LA-1793-3
Connectors	N-type female bulkhead to N-type male		N-type female to N-type male
Construction	Chrome brass, silicone rubber and stainless steel		
Maximum frequency	Up to 3GHz	Up to 3GHz	Up to 3GHz
Sparkover voltage	Up to 230 Volts DC		
Maximum power	40 Watts	200 Watts	100 Watts
Maximum withstand current	20KA (8/20µs)	20KA (8/20µs)	-
Impedance	50 Ohms	50 Ohms	50 Ohms
VSWR	Less than or equal 1.2:1		
Dielectric resistance	≥5000MΩ	≥5000MΩ	≥5000MΩ
Insertion loss	≤ 0.15 dB	≤ 0.15 dB	≤ 0.15 dB
Earthing	Lug provided - attached to side		
Operating temperature	-45°C to +70°C	-45°C to +70°C	45°C to +70°C
Weatherproof rating	IP 67	IP 67	IP 67
Dimensions	69.5mm long x 26.8mm diameter		64mm x 33mm
Weight	170 grams	170 grams	170 grams
Weatherproofing (recommended)	Non-acetic silicon sealant		



LA-1793



LA-1793-2



LA-1793-3

7/16" DIN model on following page.

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Coaxial power surge protectors N-type or 7/16" DIN

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Suitable for frequencies up to 2.5 GHz and power rating of 200 Watts, the LA-1793-4 coaxial surge protector is specifically designed to be installed where your transmitter is located.

In the event of any power surge, the fast response, gas filled arrestor instantly activates, clamping the voltage between the inner and outer conductors of the coaxial cable. This virtual short circuit diverts the power surge to ground and gives your transmission equipment the greatest chance of survival.

Following any lightning strike, the gas discharge tube will have been destroyed. The surge protector will then need to be replaced.



Specifications	LA-1793-4
Connectors	7/16" DIN Female bulkhead to 7/16" DIN Male
Construction	Tri-metal plated and silver plated brass
Maximum frequency	Up to 2.5GHz
Sparkover voltage	Up to 350 Volts DC
Rated RF power	200 Watts
Maximum RF power	2500 Watts
Impedance	50 Ohms
VSWR	Less than or equal 1.20:1
Insulation resistance (normal)	$\geq 1 \times 10^4 \text{M}\Omega$
Initial breakdown voltage	$\leq 4000\text{V}$ at $1\text{kV}/\mu\text{s}$
Insertion loss	$\leq 0.20 \text{ dB}$
Passive Intermodulation (P.I.M.)	$\leq -155\text{dBc}$
Earthing	Lug provided - attached to side
Operating temperature	$-40^\circ\text{C}$ to $+70^\circ\text{C}$
Relative humidity	5-95% with temperature $40^\circ\text{C} \pm 2^\circ\text{C}$
Dimensions	75mm long x 40mm diameter
Weight	290 grams
Weatherproofing	Non-acetic silicon sealant

