

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.

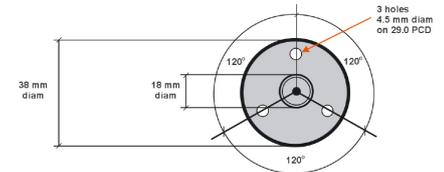
In the event of any power surge over 230 Volts DC, the fast response, gas filled arrester instantly activates, clamping the voltage between the inner and outer conductors of the coaxial cable. This virtual short circuit diverts the power surge to ground and gives your transmission equipment the greatest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

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



FLA-1792 flange mount

Mounting diagram- FLA1792



| SKU | FLA1792 | LA-1792 |
|-----------------------------|--|----------|
| Connectors | N-type female bulkhead to N-type female | |
| Construction | Chrome and nickel plated brass, PTFE insulators, silicone rubber O-rings and stainless steel securing hardware | |
| Maximum operating frequency | DC-2.5 GHz | |
| Sparkover voltage | Above 230 Volts DC | |
| Maximum power | 40 Watts | |
| Impedance | 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 | |
| Dimensions | 70mm long, 33mm diameter FLA-1792 - 38mm diameter flanges | |
| Weight | 145grams | 140grams |
| Mounting | Through wall up to 12mm thick | |
| Weather-proofing | Non-acetic silicon sealant | |
| Replacement gas tube | LA-1792 & LA-1793 SKU: LA-RGDT | |



LA-1792

N-type female to male and 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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In-stock
Ready to
Ship

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.

| SKU | 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 and nickel plated brass, PTFE insulators, silicone rubber O-rings and stainless steel securing hardware | | |
| Maximum frequency | Up to 3 GHz | | |
| Sparkover voltage | Up to 230 Volts DC | | |
| Maximum power | 40 Watts | 200 Watts | 100 Watts |
| Maximum withstand current | 20KA (8/20µs) | | - |
| Impedance | 50 Ohms | | |
| VSWR | Less than or equal 1.2:1 | | |
| Dielectric resistance | ≥5000MΩ | | |
| Insertion loss | ≤ 0.15 dB | | |
| Earthing | Lug provided - attached to side | | |
| Operating temperature | -45°C to +70°C | | |
| Weatherproof rating | IP 67 | | |
| Dimensions | 69.5mm long x 26.8mm diameter | 64mm x 33mm | |
| Weight | 170 grams | | |
| Weatherproofing recommended | Non-acetic silicon sealant | | |
| Replacement gas tube | LA-1792 & LA-1793 SKU: LA-RGDT | | |



LA-1793



LA-1793-2



LA-1793-3

7/16" DIN model on following page.

RF MAX surge protection

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

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In-stock
Ready to
Ship

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.

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

