

## Lighting Protection Devices SI/1946

The lightning protection devices SI/1946 are made for V/UHF tranceiving antenna systems and they can be easily inserted in the coaxial lines at the bottom of the antennas or at the entrance of the station.

The device SI/1946 consists in a strong brass muff, containing a high efficiency self regenerating gas surge arrester.

There are two models:

- SI/1946 F equipped with one EIA 7/8 flange and one N connector
- SI/1946 N equipped with two N connectors



## Technical Data

Characteristic/Parameter	Value				
Frequency Range	100 ÷ 500 MHz				
Insertion Loss	≤ 0,1 dB				
VSWR	≤ 1,1:1				
Capacitance	5 pF max				
DC Breakdown voltage range	250 V ÷ 10 kV				
Peak current, single discharge	30 KA max (8/20 μs wave shape)				
Charge transfer, single discharge	0.5 C max (8/20 μs wave shape)				
Life	Depends on circuit conditions such as peak discharge, current and duration, charge transfer per discharge and repetition rate				
Dimensions and weight	<table border="1"> <tbody> <tr> <td>SI 1946/F</td> <td>100x57xh 130mm • 970g</td> </tr> <tr> <td>SI 1946/N</td> <td>73x40xh 130 mm • 830g</td> </tr> </tbody> </table>	SI 1946/F	100x57xh 130mm • 970g	SI 1946/N	73x40xh 130 mm • 830g
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