



17-505/17-506 5.8GHz QW Lightning Arrestor

Data Sheet 220401

Surge arrestors are in-line devices for connection in RF transmission lines to protect radio equipment down-stream from antenna from excessive lightning induced voltages.

Main Features

- Quarter wave technology
- 0.3dB insertion loss at 5.8GHz
- Maintenance free
- Fast response time
- Supplied with stainless steel mounting bracket
- Optional flexible high current earth strap

Note: Quarter wave devices present a DC short circuit and are not suitable for use in power injected transmission lines.



Electrical Specifications

Frequency	5600-6000MHz
Type	Quarter wave
Impedance	50 Ohms
Insertion loss	0.3 typical, 0.5dB max
VSWR	<1.2:1
Return loss	<2.1dB
Power	100 Watts
Surge current	1.25x50 μ s 6kv/3kv

Installation

- Attach the stainless steel mounting plate securely to the structure in a manner that provides a good earth.
- For maximum protection the earth strap should be connected to the same low impedance earth as the outer conductor of the coaxial transmission line.
- The device can be connected in either direction

Mechanical Specifications

Connector	N-Females (17-505)
Connector	N-F/N-Male (17-506)
Contacts	Silver Plated
Earth strap length	300mm
Operating temperature	-20°C to 80°C
Overall dimensions	80mm x 80mm x 50mm

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