

Product Specifications

2.4/5GHz Lightning Arrester

WL-LTNA

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Change History:

Revision	Date	Author	Change List
Version 2.0	2018-01-09	Miki Chou	Hardware changed

Author	Miki	Editor:	Miki
Approved by:	Kent	Project Leader:	Kent

1. PRODUCT DESCRIPTION



PLANET WL-LTNA Lightning Arrester is a gas discharge tube suppressor featuring wide-band operation up to 6 GHz. The unit features a built-in N-male (plug) to N-female (jack) connector which is suitable for outdoor wireless AP.

The WL-LTNA is maintenance-free and features the best protection performance with both the highest surge current handling capability and the lowest insertion loss of only 0.2dB or less. In the event of high voltage, the lightning arrester immediately directed the high voltage surge current to the Earth, thereby limiting the voltage amplitude and protecting electrical insulation. When the over-voltage disappears, the system can be operated normally.

With the replaceable gas tube element, multi-strike capability and fast response time, the unit is suitable for a wide range of applications. A ground lug and terminal are provided directly on the lightning protector housing which provides superior grounding.

2. PRODUCT FEATURES

- Lightning Arrester for outdoor wireless application
- Available for application bands from 0 to 6GHz.
- N-male (plug) to N-female (jack) connector type
- Highest current handling capability up to 100 kA (max.)
- Insertion loss of less than 0.2dB
- Lower VSWR, wider operating range
- Gas discharge tube replaceable
- Maintenance-free and easy installation

3. PRODUCT SPECIFICATIONS

3.1 SPECIFICATIONS SUMMARY

Product	WL-LTNA 2.4/5GHz Lightning Arrester (N-male to N-female)
Electrical Specifications	
Type	Gas Discharged
Frequency	0 ~ 6GHz
Impedance	50Ω
V.S.W.R	≤ 1.2 @6GHz
Gain Loss	≤ 0.2dB
Maximum Withstand Current	20 ~ 100kA
DC Breakdown Voltage	90±20% (@100V/S)
Impulse Breakdown Voltage	< 600V (@1kV/μs)
AC Discharge Current	5A (@50Hz)
Surge Discharge Current	5kA (@8/20μs)
Environment Specifications	
Temperature Range	-40°C ~ 65°C
Humidity	85°C/85% RH-48hrs
Mechanical Specifications	
Connector Type	N male to N female
Connector Body Material	Nickel-plated brass
Body Material	Anodized aluminum
Pin Material	Gold-plated brass
Dimensions (max.)	20 x 68 mm (Φ x H)
Weight	124g

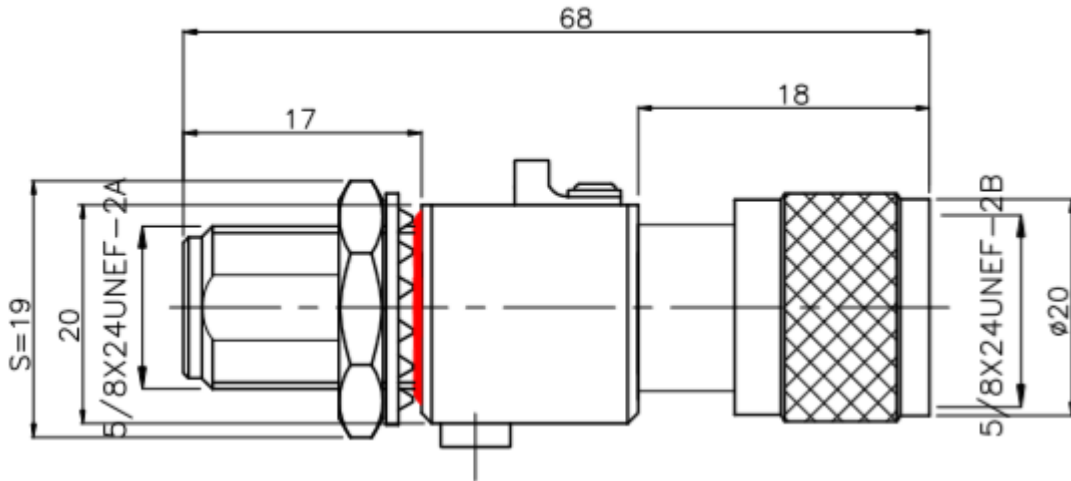
3.2 PHYSICAL SPECIFICATIONS

Dimensions (max.)

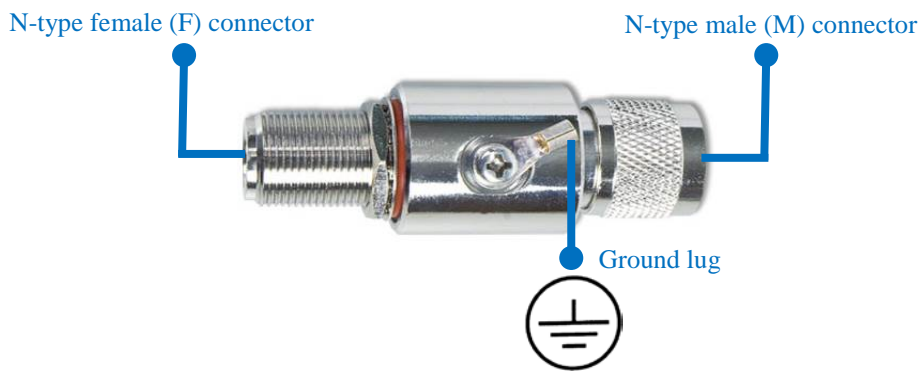
20 x 68 mm (Φ x H)

Weight

124g



Product Outlook



N-type female (female pin)



N-type male (male pin)

3.3 BASIC PACKAGING

- WL-LTNA x 1

3.4 PACKAGING INFORMATION

- Dimensions: 75 x 25 x 25 mm (W x D x H)
- Weight: 125g (gross weight)