

## Description



### Superior Performance

The WWP-DG-2.4-15 Directional Mini-Reflector Grid WiFi Antenna provides 15 dBi gain with a 16° horizontal beam-width for directional applications. Its compact design makes it nearly invisible in most installations, and it can be installed for either vertical or horizontal polarization. It is ideally suited for 2.4GHz ISM band applications such as IEEE 802.11b, 802.11g and 802.11n wireless LAN systems.

### Rugged and Weatherproof

This antenna's construction features a rust-proof die cast aluminum reflector grid for superior strength and light weight. This antenna's 2-piece reflector grid is simple to assemble and significantly reduces shipping costs. The grid surface is UV powder coated for durability and aesthetics. The open-frame grid design minimizes wind loading.

The WWP-DG-2.4-15 antenna is supplied with a 60 degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. It can be adjusted up or down from 0° to 60°.



## Applications

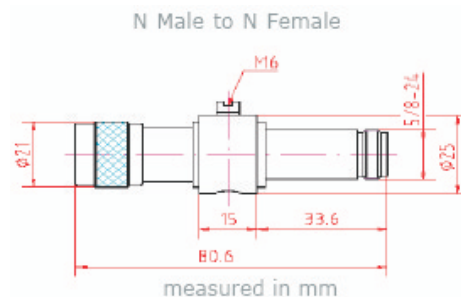


- \* Tower Mounted Amplifiers (TMA)
- \* Global Positioning Systems (GPS)
- \* Antenna Systems
- \* Tower Top Electronics (TTE)
- \* Transmitters and Receivers
- \* WiFi
- \* Broadband Wireless

## High-Frequency Surge Protection



- \* 20kA transient amps protection (8/20 $\mu$ s)
- \* 5kA transient amps protection (10/350 $\mu$ s)
- \* DC Pass to +/-48V
- \* VSWR < 1.2
- \* Insertion Loss < 0.1dB
- \* Bi-directional, series installed
- \* Removable GDT
- \* Mixed Connector Types Available, i.e N to SMA, etc...



## Coaxial Surge Protectors

Model: ANDES-CP-N-MF

### Electrical Specifications

	Connector:	0.5Ghz:	1Ghz:	4Ghz:
N	Return Loss	<-25dB	<-25dB	<-20dB
	Insertion Loss	<0.05dB	<0.03dB	<-0.29dB
BNC	Return Loss	<-25dB	<-25dB	<-20dB
	Insertion Loss	<0.05dB	<0.03dB	<-0.29dB

### Specifications

Model:	WWP-CP-N-MF:
Max Power:	70W
Insertion Loss:	< 0.1dB
I <sub>peak</sub> (8/20μs x 10):	20kA
Breakdown V (100V/s):	90-130V
Residual V (1kV/μs):	< 600V
VWSR:	< 1.2
Impedance:	50 Ohms 1
Frequency Range:	DC-5GHz
Housing Material:	Copper Alloy with CuZnSn Finish
Relative Humidity:	0 to 100% condensing
Operating Temp.:	-40°C to +80°C
Operating Altitude:	13,000 ft (400m)
Connection Method:	Series
Protection Type:	GDT based
Connectors:	TNC, BNC, N, 7/16, SMA, F
Earthing:	M6 Screw, Bulkhead, Bracket
Dimensions:	42Wx80L (in mm)

1 Impedance for F-Type Connector is 75 Ohms.



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