



# NA 5x15 FP-120V

## Low-Cost Base Station Antenna

### Specifications

#### Electrical

Regulatory Compliance	ETSI EN 302 085 V1.1.2 (2001-02)
Frequency Range	5.15 - 5.875GHz
Gain	15 dBi (min)
VSWR	1.7 : 1 (typ), 2:1 (max)
12 dBi Azimuth Beamwidth	120° (typ)
Polarization	Linear Vertical
Elevation Beamwidth	6° (typ)
Sidelobes Level	ETSI EN 302 085 V1.1.2 (2001-02) CS3
Cross Polarization	ETSI EN 302 085 V1.1.2 (2001-02) CS3
F/B Ratio	ETSI EN 302 085 V1.1.2 (2001-02) CS3
Input Impedance	50 (ohm)
Input Power	6W (max)
Lightning Protection	DC Grounded

#### Mechanical

Dimensions (LxWxD)	550x250x17mm (max)
Weight	1.5kg (max)
Connector	N-Type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Mounting Kit	MT-120019

#### Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-55° C	-
High Temperature	IEC 68-2-2	72 h	+71° C	-
Temp.Cycling	IEC 68-2-14	1 h	-45° +70°C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis	-	Random 4M5
Shock Mechanical	IEC 60721-3-4	-	-	4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h	-	95%
Water Tightness	IEC 529	-	-	IP67
Solar Radiation	ASTAM G53	1000 h	-	-
Flammability	UL 94	-	-	Class HB
Salt Spray	IEC 68-2-11 Ka	500 h	-	-
Ice and Snow	-	-	-	25 mm Radial
Wind Speed Survival Operation	-	-	-	220 km/h 160 km/h
Wind Load Sur. Front Th. Side Th.	-	-	-	39.6 kg 2.7 kg



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