



## NA 5X25 FP-DP

4.9-5.875 GHz Dual Polarized Antenna and Enclosure (26x26cm)

Netronics 5 GHz Dual Polarized Antenna  
NA 5x25 FP-DP Antenna & Enclosure Solution comprises of:

- Waterproof 5GHz Dual Polarized Antenna
- Weatherproof Enclosure (26x26cm) with provisions for Az/EI Mounting device
- Azimuth/Elevation Adjustable Mount NMK-622

This solution enables WISP/Integrator to design his own low cost, weatherized subscriber unit, saving high costs of special antenna-radio integration.

### Specifications

#### Electrical

Frequency range	4.9-5.875 GHz
Gain	
V-Pol	24.5 ± 1dBi
H-Pol	23.5 ± 1dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical & Horizontal
3 dB Beam-Width, H-Plain,typ.	7°- 9°
3 dB Beam-Width, H-Plain,typ.	7°- 9°
Side Lobes, min.	ETSI TS3, TS4, TS5
Cross Polarization, typ.	-25 dB
Front to Back Ratio, min	ETSI TS3, TS4, TS5
Port to Port Isolation, typ.	-30 dB
Input Power, max	5 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

#### Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Enclosure Int. Dimensions	260 x 260 x 45 mm (10.2" x 10.2" x 1.8")
Connector	2 x N Type, Female
Weight	2.6 kg (with Enclosure)
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mounting	NMK 622

#### Environment

Operating Temperature Range	-40°C to + 65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11
Service Life	>10 Years