



Fusion™ Dish .6m

.6m Dual Polarity Dish

The IgniteNet™ Fusion™ Dish is a high performance .6m dish for the 5GHz unlicensed bands. Its reimagined design is centered around 3 key ingredients: simplicity, performance, and integration. For simplicity the Fusion™ Dish dish requires only one tool for assembly and integration. Also the bracket is thoughtfully designed as two pieces to allow for easy installation. For improved performance, the Fusion™ Dish features a redesigned waveguide to enable low-loss radio connections, while simplifying the installation at the same time. Easy integration is further achieved in the innovative pigtail and weather hood feature.

Innovative Radio Connections

The Fusion™ Dish features not only the standard N-type connection option but also is available with RPSMA pigtails + weather hood as well as with Fusion™ mating, a new, super simple antenna/radio mating system developed by IgniteNet™.

Dual Polarity or Dual Slant?

The Fusion™ Dish is designed to support both dual polarity (H/V) as well as dual slant operation depending on assembly. Now one dish can handle both system types!

Versatile, Robust Mounting Design

The Fusion™ Dish innovative mounting design allows for poles varying in size from 5 to 11.4cm (2 to 4.5in.) in diameter. In addition, adjustment from +/-30° are made simple and easy.

Product Variants



FD5-30R



FD5-30N

FEATURES

RF PERFORMANCE

- › Frequency Range
5.1 - 5.9GHz (FD5)
- › Antenna Gain
30dBi (FD5)
- › Polarization
Dual Polarity H/
V or Dual Slant +/-45°
- › 3dB Beamwidth
6 degrees (FD5)
- › VSWR
1.5:1 Typical
- › Port to Port Isolation
35dB min.

> Front to Back Ratio
30dB

> Cross Polarization
>30dB

> IMPEDANCE
50 ohm

OPERATING ENVIRONMENT

- › Operating Temperature:
-45C° to +70C°
- › Store Temperature: -45C° to +70C°
- › Operating Humidity:
10 to 90% non-condensing (RH)
- › Meets IP65 Weather Rating

DIMENSIONS (L x W x H)

> 280 x 90 x 50 mm

WEIGHT

> 10 kg

WIND SURVIVABILITY

> 201 kph

WIND LOADING

> 80 kg (53 kg with radome)

POLE MOUNT RANGE

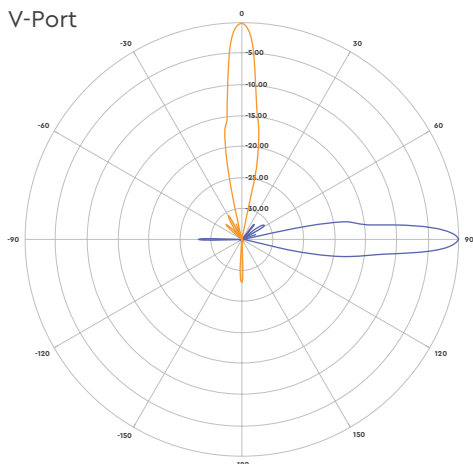
> 5.0 - 11.4 cm (2 - 4.5 in.)

REGULATORY / STANDARDS COMPLIANCE

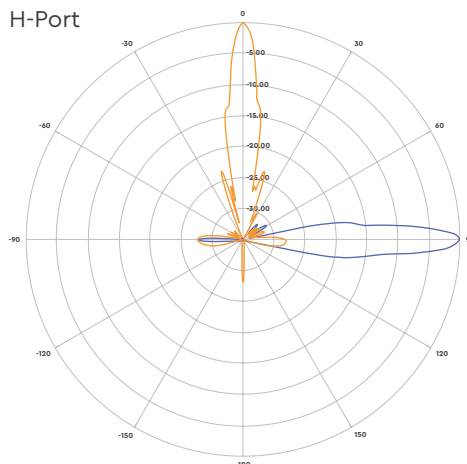
- > FCC/IC
- > CE

ANTENNA PATTERNS

V-Port



H-Port



ORDERING INFORMATION

Part Number

Description

FD5-30N

5GHz, 30dBi, .6m, Dual Type-N Connectors

FD5-30R

5GHz, 30dBi, .6m, Dual Type-RPSMA Pigtailed with Weather Hood