



NEW

PROLINE PARABOLIC ANTENNAS



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NEW

Proline Parabolic Antennas



Our new high-performance **Proline Parabolic Antennas** are engineered to suppress side-lobes and back-lobes and are excellent at rejecting interference. Available in 1-foot & 2-foot diameters with gain performance of 24 dBi and 29 dBi respectively, these antennas are perfectly suited for high density point-to-point client-premises or backhaul applications.

These antennas maximize the potential of your radio by improving signal strength and reducing the noise floor in your link. The innovative design and assembly feature **patent pending** quick-connect waveguide technology that allows rapid installation in minutes. Customers can choose from a connectorized waveguide launcher with N-type female connectors or a weatherproofed, cable-less, push-in adapter designed specifically for the Mimosa® C5c™ radio.

Features

- 2-foot & 1-foot dish diameter options available
- Gain performance of 24 dBi (1-foot dish) & 29 dBi (2-foot dish)
- Stable gain over ultra-wide bandwidth of 4.9 GHz - 6.4 GHz
- Optimized F/B & side-lobe suppression minimizes interference
- 2 x N-type connectors or push-in adapter for the Mimosa® C5c™
- Built-in universal pipe-mount bracket for connectorized radio
- Mimosa® C5c™ push-in adapter is fully weatherproofed
- Patent Pending Quick-Connect Waveguide technology
- Installs in minutes to reduce service calls and installation time
- Quick connect waveguide allows rapid change of polarization
- Heavy-duty bracket with fine elevation and azimuth adjustment
- Mounts to any size mast from 0.75" to 4.5"

Specifications

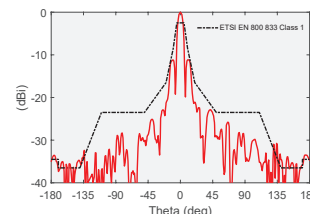
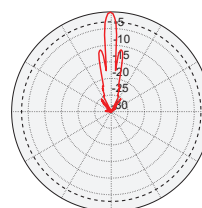
Diameter	15" (1-Foot)	25" (2-Foot)
Frequency Band	4900-6400 MHz	
Gain	24 dBi	29 dBi
Polarization	H/V or $\pm 45^\circ$ Slant	
Horizontal HPBW	9°	5°
Vertical HPBW	9°	5°
Front-to-Back Ratio @ $180^\circ \pm 30^\circ$	35 dB	40 dB
Cross-polarization Ratio over HPBW	25 dB	32 dB
VSWR	1.5	1.5
Return Loss	14 dB	14 dB
Port-to-Port Isolation	30 dB	30 dB
Impedance	50 Ohms	
Antenna Input	Mimosa C5c Adapter or 2 x N-Type Female Connectors	
Color	Grey	
Wind Velocity, Operational	145 km/h (90 mph)	
Mounting Pole Diameter	19 mm – 114 mm (0.75 in – 4.5 in)	

1-Foot Dish

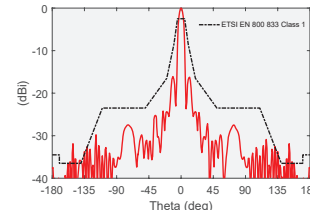
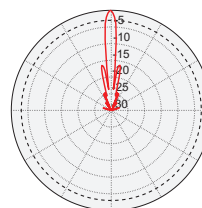


KP-5PDC5C-1

KP-5PDN-1



Azimuth Patterns 15"



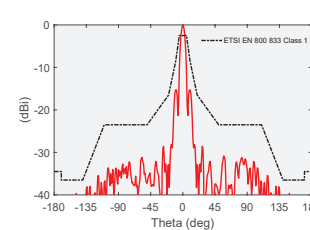
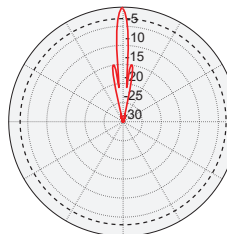
Elevation Patterns 15"

2-Foot Dish

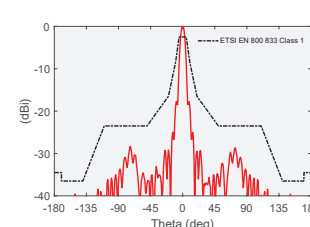
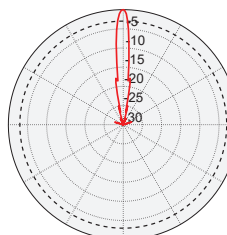


KP-5PDC5C-2

KP-5PDN-2



Azimuth Patterns 25"



Elevation Patterns 25"