

BENELEC

Professional Wireless Products

Parabolic Antenna

Model – 029303 (18dBi) & 029406 (26dBi)

For 2.4 and 5GHz Systems



PA Series with Radome
(Pole Mounted)



PA Series
Side View

- 457mm parabolic provides high gain performance in small package
- Radome completely protects antenna over all weather conditions
- Efficient 1.5:1 VSWR across the frequency ranges
- Unique mechanical configuration maintains economical price

Benelec high frequency Parabolic Series antennas are excellent for applications requiring longer-range links and higher performance. They are usable in all wireless LAN/WAN and other high frequency applications. Several models are available that cover important 2.4 and 5GHz bands, at attractive prices.

The PA Parabolic Series Antenna uses an extended feed assembly, with the dish providing local point concentration of energy for high gain. This arrangement can provide gain up to 26dBi, in a dish diameter of less than 508mm. The small diameter and Radome keeps wind loading to a minimum.

The RF connector mechanism exists at the rear of the dish at a 45 degree angle, allowing easy setup of the antenna for either horizontal or vertical polarization. Horizontal polarization can be useful for links requiring additional rejection from interfering signals.

The dish reflector is made of spun aluminium, and the antenna is enclosed within a UV resistant ABS Radome. The antenna is supplied with the mounting hardware required to pole mount it. The mounting hardware allows angle adjustment of ± 15 degrees. Special mounting arrangements can be accommodated, such as surface mount. Please consult factory for more details.

<u>Model</u>	<u>Description</u>	<u>Frequency</u>
029303	18dBi	2300-2500MHz
029406	26dBi	5725-5825MHz

Other special configurations may be available. Please consult factory for more information.

Specifications

Frequency:	See above	Lightning Protection:	External protection recommended
Gain:	See above	Wind Velocity:	201 +kph,
Bandwidth @1.5:1 SWR:	See frequency range above	Material:	Aluminium dish with pale blue ABS plastic Radome
Impedance:	50 ohms nominal	Weight	2.5 Kg
Maximum Power:	10 watts	Weight:	1 kg
Beamwidth:		Mounting:	Pole mount, optional surface mount, hardware included.
029303	20° EL, 18° AZ	Mounting Dimension:	Mounts up to 64mm outside diameter mast
029406	8° EL, 7° AZ	Connector:	N female, attached at rear of antenna
Front-to-Back ratio:	25 dB or better		
Size:	457mm Dia x 279mm depth		
Wind Loading:	0.17 sqm, 24.51 Kg		

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