

11.0 & 14.0 dBi Corner reflector Antenna Model – 02493 (11.0dBi) & 029306 (14.0dBi)



Corner Reflector

Model: 02493 - 11.0dBi
Model: 029306 - 14.0dBi

For PCS, PCN, DCS, ISM & High Frequency Applications

- 11-14dBi models for 1.7 -2.6GHz
- 9dBi Mini Model for 2.4GHz applications
- Small aperture; minimizes windloading
- Split balun feed provides superior bandwidth & gain performance.

Benelec High Frequency Corner Reflector antennas are useful for many applications including surveillance work, PCS, PCN, DCS, LAN/WAN and other high frequency applications. Its unique design features allow the antenna to overcome many of the problems normally associated with higher frequency systems.

These corner reflectors utilize a half-wavelength element configuration. A unique balun fed design provides high efficiency radiation without skewing of the radiation pattern. The resultant performance provides excellent bandwidth, gain and match over the frequency range.

The connector mechanism exits at the rear of the antenna, allowing easy installation. The mounting bracket (supplied) allows both horizontal and vertical mounting of the antenna. Each reflector panel on the 11-14dBi models measure 178mm x 178mm, providing very low aperture and wind loading.

The reflectors are made of aluminium, and weather protected with a tough white powder-coat finish. The radiating elements are weather protected within an ABS radome. This maintains the integrity of the antenna without sacrificing looks or wind loading.

<u>Model</u>	<u>Description</u>	<u>Frequency</u>
02493	11dBi Corner Reflector	1.7-1.9GHz
029306	14 dBi Corner Reflector	2.3-2.6GHz

Please confirm desired operation frequency at time of order. Other special configurations are available upon request. Operation subject to bandwidth restrictions.

Specifications

Frequency:	See above	Lightning Protection:	External Recommended
Gain:	See above	Max Wind Velocity:	160 kph,
Bandwidth @2:1 SWR:	200MHz or better	Material:	Powder coated aluminium ABS plastic radome
Impedance:	50 ohms nominal	Weight:	1 kg
Maximum Power:	100 watts	Mounting:	Pole mount, all hardware included
Beamwidth:		Mounting Dimension:	Mounts up to 51mm outside diameter mast
02493	50 EI, 39 Az	Connector:	N female, attached at rear of antenna
029306	44 vertical, 35 horizontal		
Front-to-Back ratio:	22 dB or better		
Aperture:	178mm x 266mm front face		
Panel Size:	178mm x 178mm		