Corner Reflector for 11-14 dBi models

9 dBi Mini Corner Reflector
(also available in black)

Corner Reflector Antenna

For WiFi, PCS/GPRS & High Frequency Applications

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

Mobile Mark's high frequency Corner Reflector antennas are useful for many applications including surveillance work, PCS, 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 models for 11- 14 dBi measure 7" x 7" (178 mm x 178 mm), providing very low aperture and windloading.

The 9 dBi Mini-Corner Reflector has 3" x 3" panels (76 mm x 76 mm), with a total front face of only 3" x 5.5" (76 mm x140 mm).

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

Model Numbers

Model	Gain	Frequency Range
SCR14-2400	14 dBi	2300 - 2600 MHz, WiFi
SCR9-2400	9 dBi	2300 - 2600 MHz, WiFi
SCR11-1800	11 dBi	1700 - 1900 MHz
SCR12-1900	12 dBi	1800 - 2000 MHz
SCR14-2600	14 dBi	2500 - 2700 MHz, MMDS

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

Specifications

Frequency:	See above
Gain:	See above
Bandwidth@2:1 VSWR:	200 MHz or better
Impedance:	50 Ohm nominal
Maximum Power:	100 Watts
SCR9 Beamwidth:	75° El, 65° Az
SCR11 Beamwidth:	50° El, 39° Az
SCR12 Beamwidth:	48° El, 38° Az
SCR14 Beamwidth:	44° El, 35° Az
Front-to-Back ratio:	22 dB or better
Lightning Protection:	DC grounded, external protection recommended
SCR9 Aperture:	3" x 5.5" (76 mmx140 mm)
SCR9 Panel Size:	3" x 3" ea (76 mm x 76 mm)
SCR11-SCR14 Aperture:	7" x 10.5"(178mm x 266mm)
SCR11-SCR14 Panel Size:	7" x 7" ea (178mm x 178mm)
Max Wind Velocity:	100+ mph (160 kph)
Material:	Powder-coated aluminum, ABS plastic radome
Weight:	
SCR9	1 lbs (0.5 kg)
SCR11 - SCR14	2 lbs (1 kg)
Mounting:	Pole mount, all hardware included
Mounting Dimension:	Mounts up to 2" (51 mm) diameter mast
Connector:	N female, attached at rear of antenna