

EM-6118 | Antenna, Corner Reflector**Description**

The EM-6118 is a high frequency corner reflector antenna and is useful for many applications including surveillance work, PCS, LAN/WAN and other high frequency applications. Its unique design allows the antenna to overcome many of the problems normally associated with higher frequency systems.

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

These antennas are very small in size. The connector exits at the rear of the antenna, allowing easy installation. The mounting bracket (supplied) allows both horizontal and vertical mounting of the antenna. Surface mount can also be accommodated. Each reflector panel measures 5" x 7", providing very low aperture and windloading.

The reflectors are made of irridited aluminum weather protection. The radiating elements are weather protected within an ABS radome. This maintains integrity of the antenna without sacrificing looks or windloading.

Specifications**Electrical**

Frequency: 1.7 GHz – 2.0 GHz

Gain: 12 dBi, nominal

Bandwidth @ <= 2:1 SWR: 300 MHz

VSWR: 1.4:1 typical

Maximum Power: 100 W

E Plane Beamwidth: 50°

H Plane Beamwidth: 40°

Impedance: 50 Ohms

Front-to-Back ratio: 22 dB

Lightning Protection:

Elements at DC Ground

Max. Wind Velocity: 100 MPH

Connector: Type N Female

Mechanical

Size:

Length: 27.94 cm (11")

Height: 17.78 cm (7")

Width: 15.24 cm (6")

Weight: .46 kg (1 lb.)



Ref: 131218

Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in
Johnstown, NY USA.