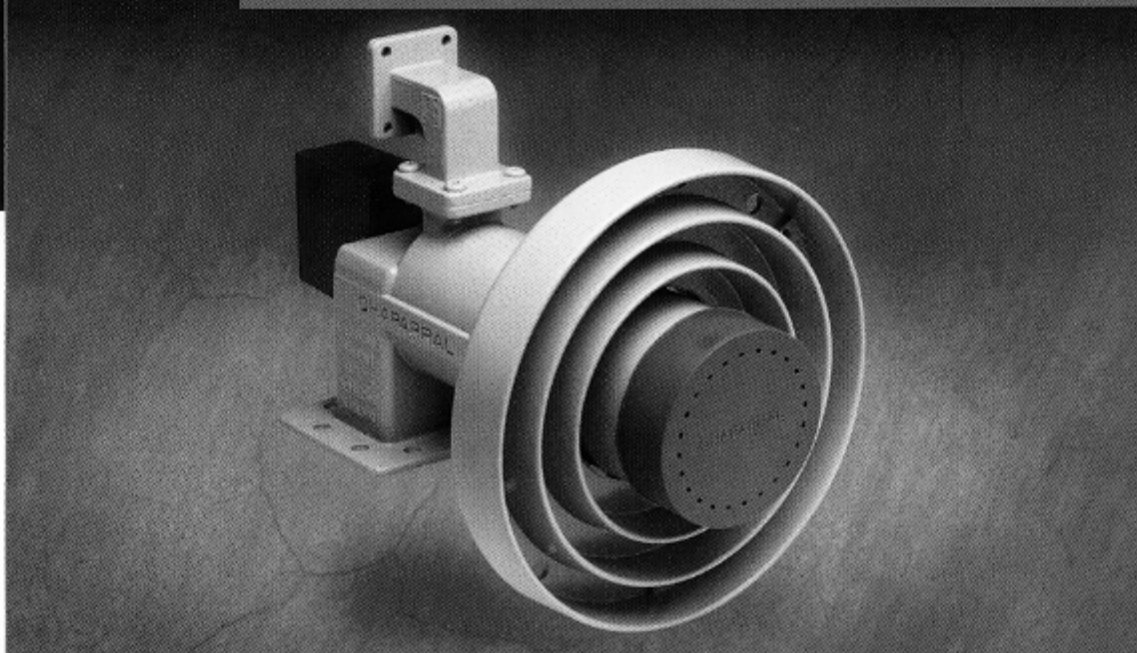


Corotor® II Plus and Corotor® II Plus Wideband



Description

The Corotor® II Plus and Corotor® II Plus Wideband are designed for systems which require reception of both C and Ku-band signals. The Corotor II Plus is primarily for reception of satellites in the United States while the Corotor II Plus Wideband is used throughout Europe, the Middle East and North Africa. Both feedhorns feature Chaparral's patented probe for C-band reception and a unique low-loss dipole antenna for Ku-band reception. The dipole is virtually invisible to the C-band probe, resulting in superior C-band performance while improving the Ku-band illumination. Both the probe and the dipole are controlled by a Chaparral servo motor, providing infinite skew adjustment and quick selection of horizontal and vertical polarities.

The Corotor II Plus receives linear C-Band signals in the 3.7-4.2 GHz range and linear Ku-band signals in the 11.7-12.7 GHz range. The Corotor II Plus Wideband is for reception of circular and linear C-band signals in the 3.4-4.2 GHz range and linear Ku-Band

signals in the 10.95-12.75 GHz range. The Corotor II Plus Wideband features a new low loss dielectric plate. The new dielectric plate provides a lower noise temperature and improved cross polarization.

The Corotor II Plus features chip-resistant powder paint, waterproof gaskets and connectors for protection against the environment. Built in the Chaparral tradition of quality, the Corotor II Plus is the ideal choice for systems which require reliable performance.

About Chaparral Communications

Chaparral Communications, Inc., founded in 1980, is a leading provider of products used in commercial and residential satellite reception systems throughout the world. Recognized for its innovative designs, responsive customer service, and leadership in the satellite reception system industry, Chaparral is the only choice for quality products.



Corotor® II Plus and Corotor® II Plus Wideband

Specifications

C-Band Input Frequency Range:	3.7 - 4.2 GHz (3.4 - 4.2 GHz for Wideband)
Ku-Band Input Frequency Range:	11.7 - 12.7 GHz (10.95 - 12.75 GHz for Wideband)
f/D Range:	.32 to .45
VSWR:	1.3 to 1 in both bands
Polarization:	Linear; horizontal and vertical (Circular C-band for Wideband model)
Cross Pol. Isolation:	20 dB or better
C-Band RF Port:	WR-229 Compatible
Ku-Band RF Port:	WR-75 compatible
Power Requirements:	+5 VDC and TTL Logic Pulse
Weight:	2lbs. 10 oz.
Part Number	
Corotor II Plus:	11-5000-62
Corotor II Plus Wideband:	11-7128-62

Features

- Low Loss Dipole
- Adjustable Scalar Ring
- Low Level Waveguide Flange with Waterproof Gasket
- 100% Tested Servo Motor
- Polyurethane Powder Coating
- Mounts to Single-Pole, Tripod and Quadpod supports
- Comprehensive Factory Warranty



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