



## **Polarotor® I E/A C-Band Feedhorn, Servo Controlled**

### **Description**

Chaparral's Polarotor® I E/A is the world's best-selling satellite system feedhorn. Designed for reception of C-Band signals from 3.4 - 4.2 GHz, the PRI E/A includes Chaparral's reliable servo motor for skew control. In use for over a decade in millions of home satellite systems, cable TV systems, businesses and institutions, the Polarotor I E/A has earned the reputation as the best-performing C-Band feedhorn in the world.

### **Features**

- Designed in the United States
- Patented probe design
- Available with or without elbow
- Precision cast-aluminum body, scalar and waveguide
- Waveguide flange with water-resistant gaskets
- 100% tested Servo motor with surge protection
- Low-loss throat cover
- Stainless steel mounting hardware
- Durable polyurethane powder coating
- Mounts to single-pole, tripod and quadpod supports
- Cast-in f/D gauge
- Polar axis alignment tool
- Water-resistant splice connectors
- Adjustable scalar (economy-adjustable)
- Single set-screw scalar rig
- Through and threaded mounting holes

### **Applications**

- C-Band satellite systems in:
  - North America
  - South America
  - Middle East
  - Africa

- Asia
- Home satellite systems
- Commercial satellite systems
- Optional golden ring for deep dishes
- Optional dielectric plate for circular polarity
- Compatible with standard satellite dishes

## Specifications

Part Number	11-4221-1 with elbow 11-6870-62 without elbow
Frequency Range	C-Band: 3.4-4.2 GHz
Polarization	Linear; horizontal and vertical Circular; with optional dielectric plate
f/D Range	.32 to .45 (.28 to .33 with Golden Ring)
VSWR	1.25 to 1
Cross Pol. Isolation	35 dB
RF Port	WR 229 Compatible
Power requirements	+5VDC and TTL Logic Pulse
Temperature Range	-50° F to + 175° F
Size	6.5" diameter x 8.13"
Weight	2.7 lbs.
Warranty	Two years

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