



## SUM38002 Elliptical Polarization UHF Broadband Compact Antenna



**Dimensions**  
 Height: 3040 mm (10 feet)  
 Radome Ø: 555 mm (22")

UHF Band	Operative Frequency 470 - 700 MHz	Input: 2 x 3-1/8" EIA
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### MAIN FEATURES

Product Code: SUM38002 -NARROW CARDIOID PATTERN-

#### Electrical characteristics

Frequency Range	470 - 700 MHz
Input impedance	50 OHM
Polarization	Horizontal/Vertical/Circular/ Adjustable Elliptical*
Gain (Mid band)	12.5 dBd (H component) 13.5 dBd (V Component)
Electrical Beam Tilt	1° above Horizon
VSWR (Circular Pol.)	<1.2
Max input Power (mid band)	10 kW per Input (20 kW for any configuration)
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Selectable H/V Ratio for each Channel	

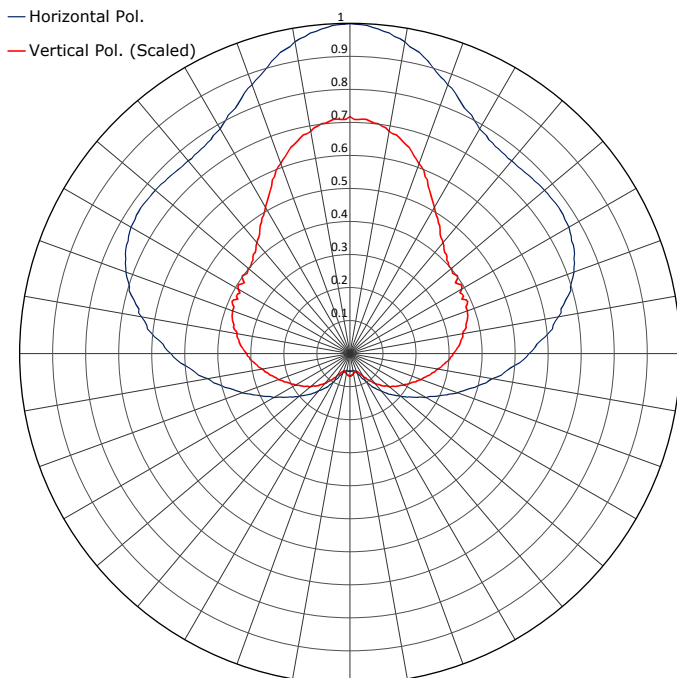
#### Mechanical characteristics

Input Connector	2 x EIA 3-1/8"
Weight/Mass	2157 N (220 Kg   485 lbs)
Projected Area	1.7 m <sup>2</sup> / 18 ft <sup>2</sup>
Max Wind (survival)	200 Kph
Operating temperature	-50°C to +60°C
Mounting	Tower side / Tower Leg (brackets NOT supplied)

#### Materials

Cylindrical Radome	Fiberglass
Internal Lines/ Dipoles	Silver Plated Alu Brass/Copper
Mounting Brackets	Hot Dip Galvanized Steel
Hardware	Inox Steel AISI304

#### E/EM Azimuth Radiation Patterns



#### E/EM Elevation Radiation Patterns

