



SUM38001 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: SUM38001 -WIDE CARDIOID PATTERN-

Electrical characteristics

Frequency Range	470 - 700 MHz
Input impedance	50 OHM
Polarization	Horizontal/Vertical/Circular/ Adjustable Elliptical*
Gain (Mid band)	11 dBd (H component) 11 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)
*	
Selectable H/V Ratio for each Channel	

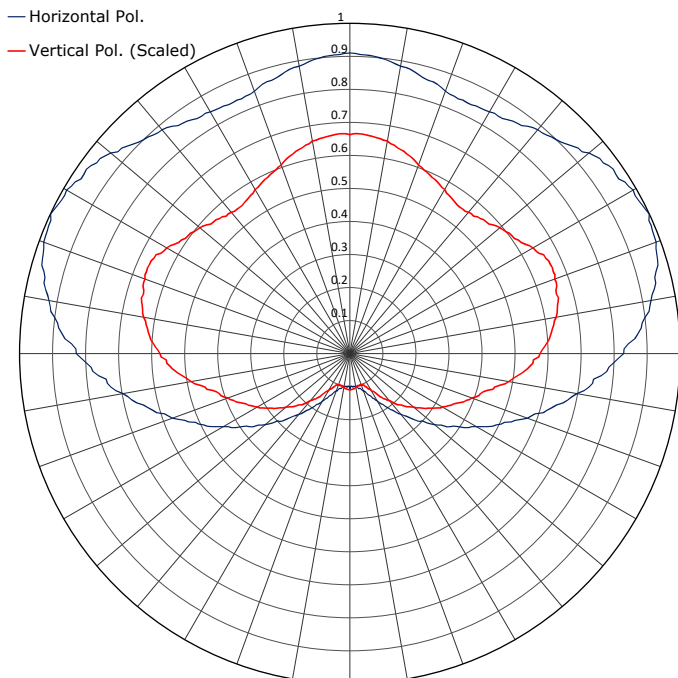
Mechanical characteristics

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

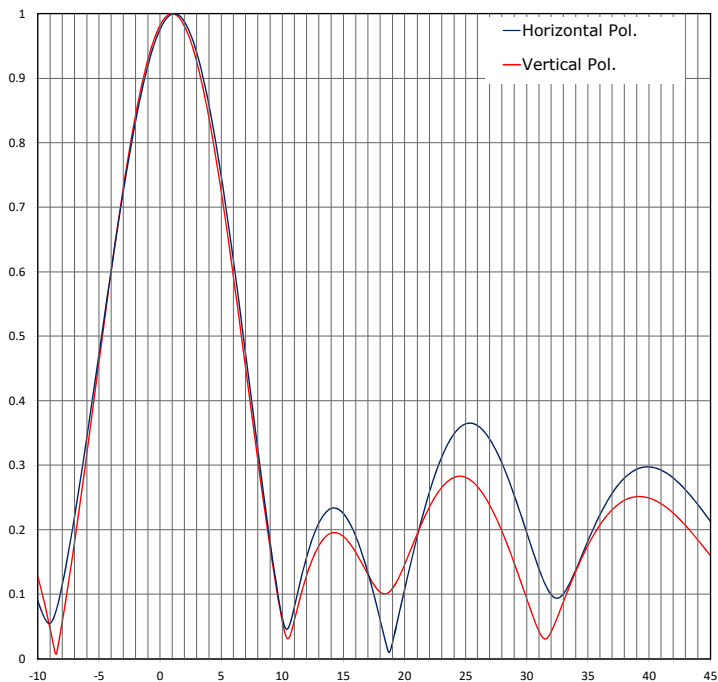
Materials

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



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 Data on this datasheet can vary without previous notice