

**DO17X20HFB2P[4310]**

DO17X20HFB2P : 7-16 Female X 2

Dual Band Dual Pol. Sharper Beam Antenna / 698-960 MHz / 1695-2700 MHz, 16 dBi / 17 dBi , H30° / H20°

Frequency Range	698 - 806	806 - 960	1695 - 1910	1910 - 2180	2180 - 2700
Gain	16	16	17	18	19
HPBW	27	22	19	16	14

Model No.	DO17X20HFB2P				
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Frequency Range (MHz)	698 - 806	806 - 960	1695 - 1910	1910 - 2180	2180 - 2700
Gain (dBi)	16.1 +/- 0.7	16.1 +/- 0.4	17.1 +/- 0.5	18.9 +/- 1.3	19.4 +/- 0.5

**Horizontal Pattern:**

Parameter	(°)	698 - 806	806 - 960	1695 - 1910	1910 - 2180	2180 - 2700
Azimuth Beam width	(°)	27.0 +/- 2.5	22.4 +/- 2.5	19.5 +/- 1.4	16.6 +/- 1.9	13.9 +/- 0.5
Front-to-Back Ratio	(dB)	> 23.6	> 25.4	> 32.9	> 34.3	> 36.1

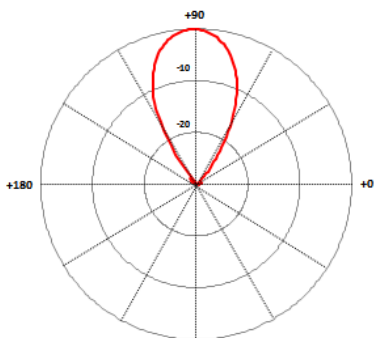
**Vertical Pattern:**

Parameter	(°)	698 - 806	806 - 960	1695 - 1910	1910 - 2180	2180 - 2700
Elevation Beam width	(°)	27.1 +/- 1.7	22.2 +/- 2.2	18.9 +/- 1.1	16.3 +/- 1.6	14.1 +/- 0.5
USLS	(dB)	> 18.0	> 18.5	> 22.7	> 22.3	> 21.2

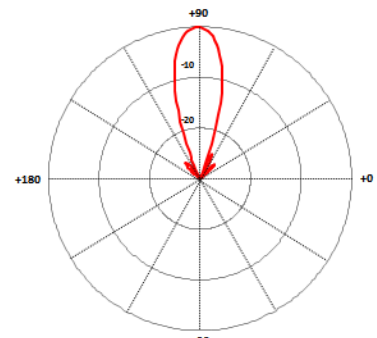
VSWR		< 1.7			
Isolation	(dB)	25			
Polarization		Slant(+45°, -45°)			
Intermodulation IM3	(dBc)	< -153(2x43 dBm carrier)			
Impedance	(Ω)	50			
Max. Effective Power per Port	(watts)	100			

**Mechanical Specifications**

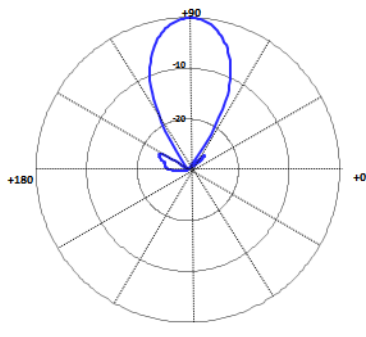
Connector Type & Quantity		4.3-10 Female x 2(Optional : 7-16 Female X 2)
Connector Position		Backside
Antenna Dimension (H x W x D)	(mm/in)	700 x 700 x 137   27.6 x 27.6 x 5.4
Weight (Clamp incl.)	(kg/lb)	18   36.5
Wind Load (@100 mph)	(N)	Front 697, Side 135, Rear 697
Max. Wind Speed	(mph)	150
Radome (Color)		FRP (Gray)
Product Environmental compliance		ROHS compliant



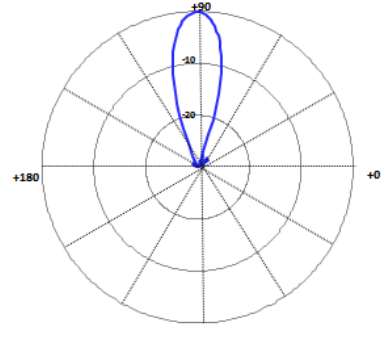
Horizontal



Horizontal



Vertical

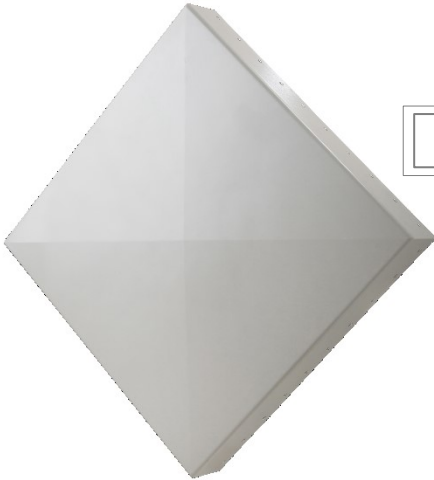


Vertical

698-960MHz

1695-2700MHz

**Mechanical Drawing & Configuration Table**



698-960 / 1695-2700  
Slant(+45°)

698-960 / 1695-2700  
Slant(-45°)

4.3-10 (F)

4.3-10 (F)

