

# DO9X60602P

## Spot Beam 60/60

698-960, 1695-2700 MHz / 8, 9 dBi / H60°, V60°

**DO9X60602P 4310 : 4.3-10 Female x 2**

High Capacity Venue Multiband Antenna

Frequency Range

698-790	790-960	1695-1910	1910-2360	2360-2700
69°	64°	58°	56°	49°

HPBW

<b>Model No.</b>	<b>DO9X60602P</b>				
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Frequency Range (MHz)	698-790	790-960	1695-1910	1910-2360	2360-2700
Gain (dBi)	8.8 ± 0.4	8.7 ± 0.4	8.4 ± 0.8	9.0 ± 0.8	9.7 ± 0.7

**Horizontal Pattern:**

Azimuth Beam width (°)	69.2 ± 1.2	64.4 ± 3.7	58.4 ± 7.3	56.3 ± 6.3	49.2 ± 2.7
Front-to-Back Ratio (dB)	> 22.5	> 21.4	> 25.2	> 24.6	> 27.8
Cross Polar Discrimination at Boresight (dB)	> 22.7	> 20.9	> 21.2	> 18.9	> 12.5
Cross Polar Discrimination over Sector (± 60°) (dB)	> 10.4	> 9.7	> 14.3	> 10.2	> 8.6

**Vertical Pattern:**

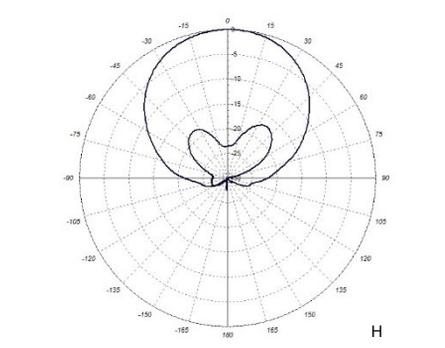
Elevation Beam width (°)	74.6 ± 2.1	68.7 ± 4.4	58.8 ± 5.0	59.8 ± 7.2	48.4 ± 6.3
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Isolation (dB)	25	25
VSWR	< 1.6:1	< 1.6:1
Polarization	+ 45°, - 45°	
Intermodulation IM3 (dBc)	< -153 (2x43 dBm carrier)	
Impedance (Ω)	50	
Max. Effective Power per Port (watts)	200	

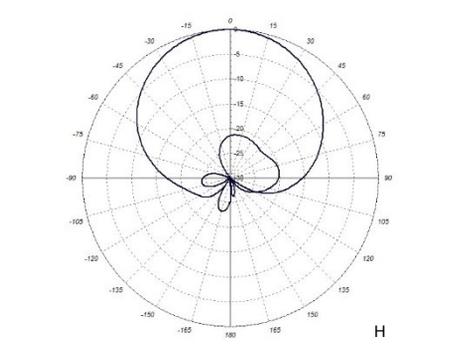
Values based on NGMN-P-BASTA requirements

**Mechanical Specifications**

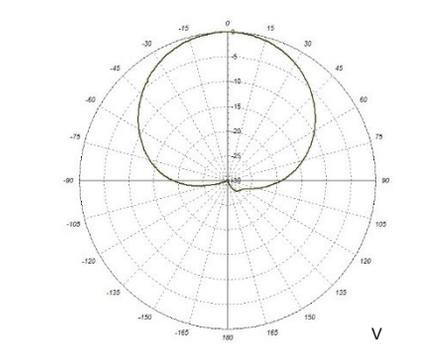
Connector Type & Quantity	7-16 Female x 2 (Optional : 4.3-10 Female x 2)
Connector Position	Backside
Antenna Dimension (H x W x D) (mm/in)	300 x 300 x 130   11.8 x 11.8 x 5.1
Weight (Clamp incl.) (kg/lb)	4   8.8
Wind Load (@100 mph) (N)	Front 128, Side 56, Rear 128
Max. Wind Speed (mph)	150
Radome (Color)	FRP (Gray)
Product Environmental compliance	ROHS compliant



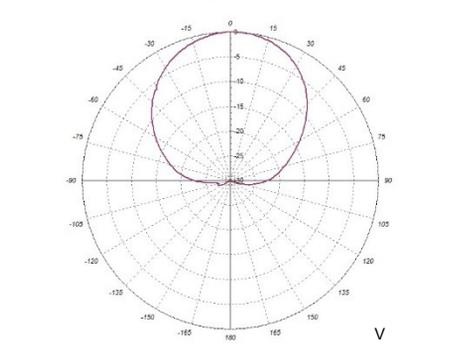
Low Band



High Band



V



V

**Mechanical Drawing & Configuration Table**



698-960 / 1695-2700 +45	698-960 / 1695-2700 -45
●	●
7-16 Female Or 4.3-10 Female	7-16 Female Or 4.3-10 Female

