

5782.00

Triple Broadband Cross Polarized

POLARIZATION: X-pol  
 FREQUENCY (MHz): 824-960, 2x1710-2170  
 HORIZONTAL BEAM WIDTH (°): 65  
 GAIN (dBi/dBd): 16.2/14.1, 16.5/14.4, 16.5/14.4  
 TILT: MET  
 LENGTH: 2.0m (6'6")

PRELIMINARY

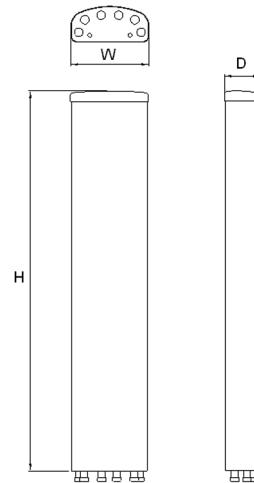
ELECTRICAL SPECIFICATIONS\*

Frequency range (MHz)	824-960		2x1710-2170		
	824-896	880-960	1710-1880	1850-1990	1900-2170
Frequency band (MHz)	824-896	880-960	1710-1880	1850-1990	1900-2170
Gain (dBi/dBd)	15.8/13.7	16.2/14.1	16.0/13.9	16.1/14.0	16.5/14.4
Polarization	Dual Linear +/- 45		Dual Linear +/- 45		
Nominal Impedance (Ω)	50		50		
VSWR	< 1.5:1		< 1.5:1		
Horizontal beam width, -3 dB (°)	71	67	65	65	63
Vertical beam width, -3 dB (°)	9.6	8.6	10	9.4	8.7
Electrical down tilt (°)	2 to 9		0 to 10		
Side lobe suppression, vertical 1st upper (dB)	>18,17,16,16@ 2,5,7,9 degree	> 18, 17, 16, 16@ 2,5,7,9 degree	> 17, 15, 13@ 0, 6, 10 degree	> 17, 15, 14@ 0, 6, 10 degree	> 17, 16, 15@ 0, 6, 10 degree
Isolation between inputs (dB)	> 30	> 30	> 30	> 30	> 30
Inter band Isolation (dB)	> 34		> 34		
Tracking, horizontal plane ±60° (dB)	< 1	< 1	< 1.5	< 2	< 4
First null fill (dB)	25	25	25	25	25
Vertical beam squint (°)	0.5	0.5	0.5	0.5	0.5
Front to back ratio (dB)	> 28	> 30	> 27	> 28	> 30
Front to back ratio, total power (dB)	> 26	> 26	> 25	> 27	> 27
Cross polar discrimination (XPD) 0° (dB)	16	15	16	16	15
Cross polar discrimination (XPD) ±60° (dB)	> 11	> 9	> 7	> 6	> 6
Far field coupling	< 0.27	< 0.47	< 0.52	< 0.66	< 0.66
IM3, 2xTx@43dBm (dBc)	< -153		< -153		
IM7, 2xTx@43dBm (dBc)	-		< -160		
Power handling, average per input (W)	300		250		
Power handling, average total (W)	600		500		

MECHANICAL SPECIFICATIONS\*

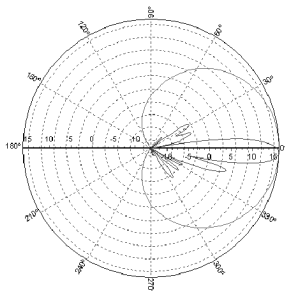
Connector	6 x 7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, mm (ft)	2033x280x125 (6'8"x11"x4")
Mounting	Pre-mounted standard brackets
Weight, with brackets, kg (lbs)	23.4 (48)
Weight, without brackets, kg (lbs)	17.9 (39)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	653
Maximum operational wind speed, m/s (mph)	42 (93)
Survival wind speed, m/s (mph)	55 (123)
Lightning protection	DC Ground
Radome material	PVC
Package size, HxWxD, mm (ft)	2175x355x255 (7'2"x14"x10")
Radome colour	Light Grey
Shipping weight, kg (lbs)	28 (61.7)
RET	7030.00, 7031.00, 7032.00, 7033.00
Brackets	7256.00, 7454.00, 2210.00

\*All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.

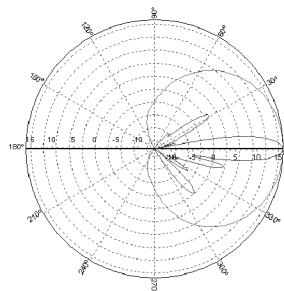


ANTENNA PATTERNS\*

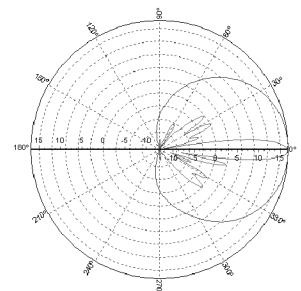
For detailed patterns visit <http://www.powerwave.com/rpa/>.



900 MHz



1800 MHz



2100 MHz