

7755.0S0.0000.00

Dual Broadband Cross Polarized

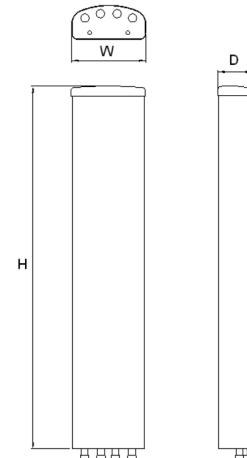
POLARIZATION: XX-Pol
 FREQUENCY (MHz): 824-960, 1710-2170
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi dBd): 17.3/15.2, 17.8/15.7
 TILT: MET
 LENGTH: 2.6m (8'6")

ELECTRICAL SPECIFICATIONS*

Frequency range (MHz)	824-960	
Frequency band (MHz)	824-896	1710-1880
Gain (dBi/dBd)	16.6/14.5	17.3/15.2
Polarization	Dual linear $\pm 45^\circ$	
Nominal Impedance (Ω)	50	
VSWR	1.5:1	
Horizontal beam width, -3 dB (°)	71	65
Vertical beam width, -3 dB (°)	7.4	6.9
Electrical down tilt (°)	2 to 8	
Side lobe suppression, vertical 1st upper (dB)	>18,18,17,16,16@	>17,16,15,14,13@
Isolation between inputs (dB)	30	30
Tracking, horizontal plane $\pm 60^\circ$ (dB)	<1.0	<1.5
Vertical beam squint (°)	0.5	0.5
Front to back ratio (dB) $180^\circ \pm 30^\circ$ copolar	>30	>30
Front to back ratio (dB) $180^\circ \pm 30^\circ$ total power	>25	>25
Cross polar discrimination (XPD) 0° (dB)	16	16
Cross polar discrimination (XPD) $\pm 60^\circ$ (dB)	>11	> 6.3
IM3, 2xTx&43dBm (dBc)	<-150	
Power handling, average per input (W)	300	
Power handling, average total (W)	600	

MECHANICAL SPECIFICATIONS*

Connector	4 x 7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, mm(ft)	2658x280x125mm (8'8"x11"x4")
Mounting	No brackets
Weight, with brackets, kg (lbs)	NA
Weight, without brackets, kg (lbs)	19.6 (43)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	880
Maximum operational wind speed, m/s (mph)	42 (93)
Survival wind speed, m/s (mph)	55 (123)
Lightning protection	DC grounded
Operating Temperature	-40°C to +60°C
Radome Material	GRP
Radome colour	Light Grey
Packing size, HxWxD, mm (ft)	2800x355x255 (9'2"x1'2"x10")
Shipping weight, kg (lbs)	32.5 (71.6)
RET	8210.40, 8210.10, 8220.40, 8220.10
Brackets	7256.00, 7454.00



*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/>.