

P65-15-XD-N

Low Broadband X-Pol 790-960MHz

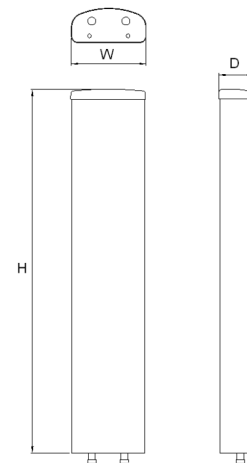
POLARIZATION: X-Pol
 FREQUENCY (MHz): 790-960
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi dBd): 14.6/12.5, 15.0/12.9
 TILT: 2-12°
 LENGTH: 1.3m (4'4")

ELECTRICAL SPECIFICATIONS*

	790-960	
Frequency range (MHz)	790-960	
Frequency band (MHz)	790-896	870-960
Gain (dBi/dBd)	14.6/12.5	15.0/12.9
Polarization	Dual linear $\pm 45^\circ$	
Nominal Impedance (Ω)	50	
VSWR	1.5:1	
Horizontal beam width, -3 dB (°)	65	65
Vertical beam width, -3 dB (°)	15.3	14.2
Electrical down tilt (°)	2 - 12	
Side lobe suppression, vertical 1st upper (dB)	>18,17,16@2,7,12°	>19,18,17@2,7,12°
Isolation between inputs (dB)	30	30
Tracking, horizontal plane $\pm 60^\circ$ (dB)	<2.0	<2.0
First null fill (dB)	>25	>25
Vertical beam squint (°)	1	1
Front to back ratio (dB) $180^\circ \pm 30^\circ$ copolar	>25	>25
Front to back ratio (dB) $180^\circ \pm 30^\circ$ total power	>24	>25
Cross polar discrimination (XPD) 0° (dB)	>15	>15
Cross polar discrimination (XPD) $\pm 60^\circ$ (dB)	>10	>10
Far field coupling	-	-
IM3, 2xTx&43dBm (dBc)	<-150	
Power handling, average per input (W)	400	
Power handling, average total (W)	800	

MECHANICAL SPECIFICATIONS*

Connector	2 x 7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, mm(ft)	1314x280x125 (4'4"x11"x4")
Mounting	Pre-mounted heavy duty brackets
Weight, with brackets, kg (lbs)	14.5 (31.9)
Weight, without brackets, kg (lbs)	9.0 (19.8)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	367 / 63 / 441
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	PVC
Radome colour	Light Grey
Packing size, HxWxD, mm (ft)	1475x355x255 (4'10"x1'2"x10")
Shipping weight, kg (lbs)	18.5 (40.7)
RET	8110.40, 8110.10
Brackets	7256.00, 7454.00A



*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/>.