

P65-17-XD-N**Low Broadband Cross Polarized 790-960MHz**

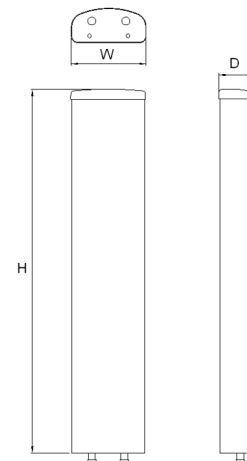
POLARIZATION: X-Pol
 FREQUENCY (MHz): 790-960
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi/dBd): 16.5/14.4, 17.0/14.9
 TILT: 0-12°
 LENGTH: 2.0m (6'6")

PRELIMINARY**ELECTRICAL SPECIFICATIONS***

	790-960	
Frequency range (MHz)	790-960	
Frequency band (MHz)	790-896	870-960
Gain (dBi/dBd)	16.5/14.4	17.0/14.9
Polarization	Dual linear $\pm 45^\circ$	
Nominal Impedance (Ω)	50	
VSWR	1.5:1	
Horizontal beam width, -3 dB (°)	67	65
Vertical beam width, -3 dB (°)	9.9	9.5
Electrical down tilt (°)	0 - 12	
Side lobe suppression, vertical 1st upper (dB)	>15	>15
Isolation between inputs (dB)	30	30
Tracking, horizontal plane $\pm 60^\circ$ (dB)	<2.0	<2.0
First null fill (dB)	<-18	<-18
Vertical beam squint (°)	0.5	0.5
Front to back ratio (dB) $180^\circ \pm 30^\circ$ copolar	>22	>22
Front to back ratio (dB) $180^\circ \pm 30^\circ$ total power	>20	>20
Cross polar discrimination (XPD) 0° (dB)	>17	>17
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)	2080x280x125 (6'8"x11"x4")
Mounting	Pre-mounted heavy duty brackets
Weight, with brackets, kg (lbs)	20 (44)
Weight, without brackets, kg (lbs)	14.5 (31.9)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	664
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)	2225x355x255 (7'3"x1'2"x10")
Shipping weight, kg (lbs)	24.5 (54)
RET	8110.10 (AISG1.1), 8110.40 (AISG2.0)
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/>.