

P65-18-XD-N**Low Broadband X-Pol 790-960MHz**

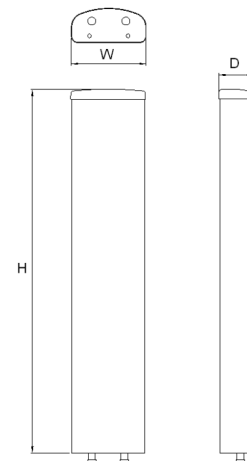
POLARIZATION: X-Pol
 FREQUENCY (MHz): 790-960
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi dBd): 17.5/15.4, 17.8/15.7
 TILT: 0-10°
 LENGTH: 2.6m (8'6")

ELECTRICAL SPECIFICATIONS*

	790-960	
Frequency range (MHz)	790-960	
Frequency band (MHz)	790-896	870-960
Gain (dBi/dBd)	17.5/15.4	17.8/15.7
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 (°)	7.6	7.0
Electrical down tilt (°)	0 - 10	
Side lobe suppression, vertical 1st upper (dB)	>15,15,15,15@0,3,6,10	>19,16,16,15@0,3,6,10
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 (°)	0.3	0.3
Front to back ratio (dB) $180^\circ \pm 30^\circ$ copolar	>26	>25
Front to back ratio (dB) $180^\circ \pm 30^\circ$ total power	>24	>23
Cross polar discrimination (XPD) 0° (dB)	>19	>18
Cross polar discrimination (XPD) $\pm 60^\circ$ (dB)	>10	>11
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)	2520x280x125 (8'3"x11"x4")
Mounting	Pre-mounted heavy duty brackets
Weight, with brackets, kg (lbs)	21 (46.3)
Weight, without brackets, kg (lbs)	15.5 (34.2)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	835 / 129 / 1004
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)	2725x355x255 (8'11"x1'2"x10")
Shipping weight, kg (lbs)	25 (55.1)
RET	8110.10, 8110.40
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/>.