

P65-18-XXD-N**Dual Low Broadband X-Pol 790-960MHz 4-connectors**

POLARIZATION: XX-Pol
 FREQUENCY (MHz): 2x790-960
 HORIZONTAL BEAM WIDTH (°): 2x65
 GAIN (dBi dBd): 17.3/15.2, 17.6/15.5
 TILT: 0-10°
 LENGTH: 2.6m (8'6")

Preliminary**ELECTRICAL SPECIFICATIONS***

	2x790-960	
Frequency range (MHz)	790-896 870-960	
Frequency band (MHz)	17.3/15.2	17.6/15.5
Gain (dBi/dBd)	Dual linear ±45°	
Polarization	50	
Nominal Impedance (Ω)	1.5:1	
VSWR	67	65
Horizontal beam width, -3 dB (°)	7.6	7.0
Vertical beam width, -3 dB (°)	0 - 10	
Electrical down tilt (°)	>15	>15
Side lobe suppression, vertical 1st upper (dB)	>30	>30
Isolation between inputs (dB)	<2.0	<2.0
Tracking, horizontal plane ±60° (dB)	>-18	>-18
First null fill (dB)	0.3	0.3
Vertical beam squint (°)	>26	>26
Front to back ratio (dB) 180° ±30° copolar	>23	>23
Front to back ratio (dB) 180° ±30° total power	>19	>18
Cross polar discrimination (XPD) 0° (dB)	>10	>11
Cross polar discrimination (XPD) ±60° (dB)	-	-
Far field coupling	<-150	
IM3, 2xTx&43dBm (dBc)	400	
Power handling, average per input (W)	1600	
Power handling, average total (W)		

MECHANICAL SPECIFICATIONS*

Connector	4 x 7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, mm(ft)	2520x560x125 (8'3"x22"x4")
Mounting	Pre-mounted heavy duty brackets
Weight, with brackets, kg (lbs)	42 (92.6)
Weight, without brackets, kg (lbs)	31 (68.4)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	1670 / 129 / 2000
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)	2725x650x255 (8'11"x2'2"x10")
Shipping weight, kg (lbs)	50 (110.2)
RET	8110.10, 8110.40
Brackets	Special High Environmental Brackets



*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/>.