

## P65-18-XXD-E

## Dual Low Broadband X-Pol 790-960MHz 4-connectors eRET

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)	43 (94.6)
Weight, without brackets, kg (lbs)	32 (70.4)
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)	2975x650x255 (117"x2'2"x10")
Shipping weight, kg (lbs)	51 (112.2)
RET	2x 8110.40 factory attached RET and configured to AISGv2.0
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/>.