

P65-18-XXB-E**Dual High Broadband X-Pol 1710-2690MHz factory AISGv2.0 RET**

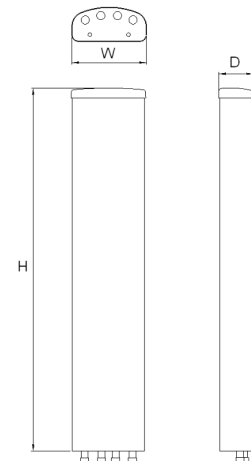
POLARIZATION: XX-Pol
 FREQUENCY (MHz): 2x1710-2690
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi dBd): 18.1/16.0, 18.1/16.0
 TILT: 0-10°/0-10°
 LENGTH: 1.4m(55")

PRELIMINARY**ELECTRICAL SPECIFICATIONS***

Frequency range (MHz)	2x1710-2690		
Frequency band (MHz)	1710-1880	1900-2170	2300-2690
Gain (dBi/dBd)	17.6/15.5	18.0/15.9	18.1/16.0
Polarization	Dual linear $\pm 45^\circ$		
Nominal Impedance (Ω)	50		
VSWR	<1.5:1		
Horizontal beam width, -3 dB (°)	68	64	62
Vertical beam width, -3 dB (°)	7.0	6.6	6.3
Electrical down tilt (°)	0-10		
Side lobe suppression, vertical 1st upper (dB)	>15	>15	>15
Isolation between inputs (dB)	>30	>30	>30
Tracking, horizontal plane $\pm 60^\circ$ (dB)	<1.0	<1.0	<1.0
First null fill (dB)	>-24 typical >-17	>-24 typical >-17	>-24 typical >-17
Vertical beam squint (°)	0.5	0.5	0.5
Front to back ratio (dB) $180^\circ \pm 30^\circ$ copolar	>30	>30	>30
Front to back ratio (dB) $180^\circ \pm 30^\circ$ total power	>27	>27	>27
Cross polar discrimination (XPD) 0° (dB)	>15	>15	>15
Cross polar discrimination (XPD) $\pm 60^\circ$ (dB)	>10	>10	>10
Far field coupling			
IM3, 2xTx&43dBm (dBc)	<-153	<-153	
IM7, 2xTx&43dBm (dBc)			<-160
Power handling, average per input (W)	250		
Power handling, average total (W)	1000		

MECHANICAL SPECIFICATIONS*

Connector	4x7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, mm(ft)	1420x343x100 (4'4"x1'1"x3")
Mounting	Pre-mounted standard 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)	520 / 63 / 582
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 Gray
Packing size, HxWxD, mm (ft)	1780x400x200 (70"x1'3"x7")
Shipping weight, kg (lbs)	24 (52.8)
RET	2x 8110.40 factory attached RET and configured to AISGv2.0
Brackets	7456.00



*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/>.