

P65-18-XXB-M**Dual High Broadband Cross Polarized
1710-2690MHz - iRET**

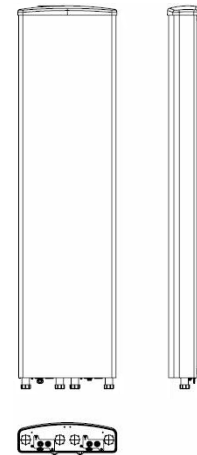
POLARIZATION: XX-Pol
 FREQUENCY (MHz): 2x1710-2690
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi dBd): 18.1/16.0, 18.1/16.0
 TILT: 0-10°/0-10°
 LENGTH: 1.4m(55")

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)	19.5 (42.9)
Weight, without brackets, kg (lbs)	14 (30.8)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	600
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)	1530x400x200 (4'8"x1'3"x7")
Shipping weight, kg (lbs)	23.5 (51.8)
RET	No iRET module attached [8510.10]
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/>.