

SPD2P6515XLH (698-894 and 1710-2170 MHz)

8 Port Panel Antenna, 14-14.7 dBd and 16.4-17.0 dBd Gain

dbSpectra



ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	698-894		1710-2170		
Frequency Band (MHz)	698-806	806-894	1710-1880	1850-1990	1900-2170
Gain (dBi/dBd)	14 / 11.9	14.7 / 12.6	16.4 / 14.3	16.7 / 14.6	17.0 / 14.9
Polarization	Dual Linear ± 45		Dual Linear ± 45		
Nominal Impedance (Ω)	50		50		
VSWR	<1.5:1		<1.5:1		
Horizontal Beamwidth, -3 dB (°)	73	63	65	61	60
Vertical Beamwidth, -3 dB (°)	17		7.5		
Electrical Downtilt (°)	0-13		0-9		
Side Lobe Suppression - vertical 1st upper (dB)	>14		>20		
Isolation Between Inputs (dB)	>30		>30		
Inter Band Isolation (dB)	>40		>40		
Tracking - horizontal plane ±60° (dB)	<2		<2		
Vertical Beam Squint (°)	<1.25		<0.5		
Front to Back Ratio (dB) 180°±30° copolar	>25		>28		
Front to Back Ratio (dB) 180°±30° total power	>25		>25		
Cross Polar Discrimination (XPD) 0° (dB)	>15		>15		
Cross Polar Discrimination (XPD) ±60° (dB)	>10		>10		
IM3, 2xTx@43dBm (dBc)	<-153		<-153		
Power Handling - average per input (W)	500		300		
Power handling - average total (W)	1000		600		

MECHANICAL SPECIFICATIONS

Material/Construction/Color	PVC, IP55 / Light Grey
Connector	8 DIN-Female
Connector position	Bottom
Operational wind speed (max) (mph/mps)	100 / 45
Temperature Range (degrees)	-40 to +60 C
RET	iRET AISGv1.1, MET and AISGv2.0
Mounting Hardware	DB380
Lightning Protection	DC Ground

DIMENSIONS

Dimensions - HxWxD (in/mm)	51.5 x 26.5 x 10 / 1308 x 673 x 254
Shipping Dimensions - HxWxD (in/mm)	53.5 x 28.5 x 12 / 1359 x 724 x 305
Weight - with brackets (lbs/kg)	100 / 45