

Band	617 - 894 / 1695 - 2690 / 3450 - 4200
Polarization	VH / XX / XX
Half-power Beam Width	360°

DKK Co., Ltd.

Model:DKZORWDKD-5F7R6F [Quasi-Omni Antenna] Rev. 00

Electrical Specifications

Operating Frequency Band [MHz]		617 - 894			1695 - 2690 x2			
Frequency Range [MHz]		617-698	698-806	806-894	1695 - 1880	1880 - 2180	2180 - 2400	2400 - 2690
Polarization [degrees]		VH			±45° x2			
Gain [dBi]		4.5	5	5	7	7.5	8	8
Horizontal Beam Width [degrees]		360	360	360	360	360	360	360
Vertical Beam Width [degrees]		45	45	40	24	22	19	18
Electrical Downtilt [degrees]		0(Fixed)			0 - 20			
VSWR		≤ 1.5			≤ 1.5			
Isolation	Cross Polar [dB]	≥ 20			≥ 20			
	Inter Band [dB]	≥ 20			≥ 20			
3rd Order PIM@2x43dBm [dBc]		≤ -150			≤ -150			
Maximum Input Power / Per Port		100W			100W			
Impedance		50Ω			50Ω			
Lightning Protection		DC Ground			DC Ground			

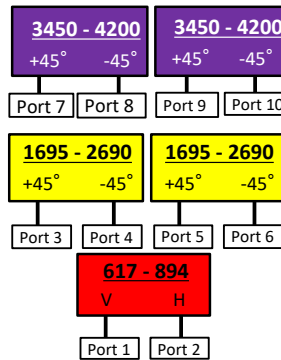
Operating Frequency Band [MHz]		3450 - 4200 x2	
Frequency Range [MHz]		3450 - 3800	3800 - 4200
Polarization [degrees]		±45° x2	
Gain [dBi]		6	6
Horizontal Beam Width [degrees]		360	360
Vertical Beam Width [degrees]		35	35
Electrical Downtilt [degrees]		0 (Fixed)	
VSWR		≤ 1.5	
Isolation	Cross Polar [dB]	≥ 20	
	Inter Band [dB]	≥ 20	
3rd Order PIM@2x43dBm [dBc]		N/A	
Maximum Input Power / Per Port		50W	
Impedance		50Ω	
Lightning Protection		DC Ground	



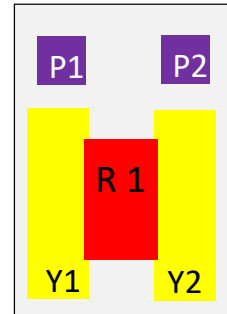
Mechanical Specifications

Radome Material	Fiberglass
Connector Type	4.3-10 Female x10
Operating Temperature Range	-40 ~+65°C (-40 ~+149°F)
Operating Humidity	0 - 95%RH
Enclosure Protection	IP55
RF Connector Protection	IP67
Wind Load	238N @150 km/h (@93.3 MPH)
Wind Velocity	241.4 km/h (150 MPH)
Weight	12 kg (26.5 lbs)
Dimension (Length x Diameter)	609 x φ305 mm (23.98 x φ12.01 inch)

Port Layout



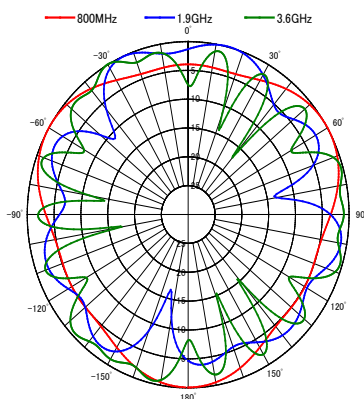
Antenna Array Configurations



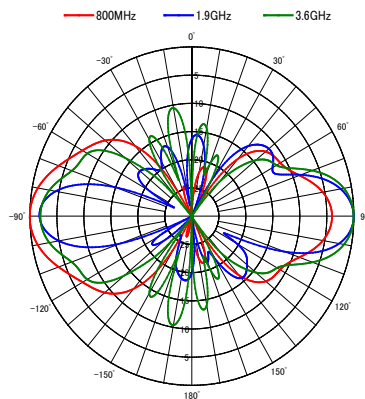
RET Informations

Condition	Internal
Protocol	3GPP / AISG 2.0 Multi Type RET

Horizontal Plane



Vertical Plane



Vertical Plane (Tilt Angle:0-10-20[deg.]) 1.9GHz

