

HF55-DPSEC90-17-EXT

5.18-5.9 GHz, 17 dBi, 90°, 2x2 MIMO,
V&H Polarized Sector Antenna



Electrical Parameters

Frequency (MHz)	5180 - 5900	
Gain (dBi)	2 x 17 ± 0.5	
VSWR (Max)	1.5:1(Typ)	1.7:1(Max)
H Plane BW (°)	90±5	
E Plane BW (°)	8±1	
Polarization	V & H	
Port to Port Isolation (dB)	> 30	
Max. Power Input (Watts)	50	
Impedance (Ω)	50	
Front to Back Ratio (dB)	> 30	
Cross Poln. (dB)	> 25	
Connector Termination	2 x N(F)	
Lightning Protection	DC Grounded	

Environmental Limits

Temperature Range (°C)	(-) 40 to (+) 70
Wind Speed (km/hr)	200 (Survival) 150 (Operational)
Humidity	95% No Condensation
Water Proofing	IP 65

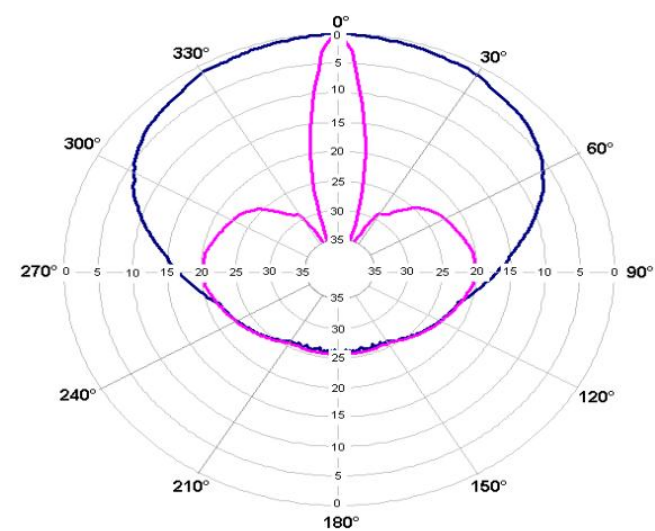
Mechanical Parameters

Dimension (mm)	480 X 130 X 62	
Gross Weight (Kg)	≈ 1.2 ± 0.2	
Radome	PVC	
Mounting Hardware	MS Galvanized & Powder Coated	
Mounting Style	Pole	
Supporting Pole Diameter	2-2.5 Inches	
Mounting Adjustment	Azimuth ±180°	Elevation ±15°

Cable Assembly Details

Cable Type	0.141 Semi Rigid	
Connector Type	N Male	
Connector Qty	2 (Assembled on each side)	
Cable Length	1 mtr	
Cable color	Blue (Outer Jacket)	
No. Of Cable Assemblies	2	

Radiation Pattern



Typical Radiation Pattern

Radiation Pattern Blue=H-Plane, Magenta= E-Plane

Ordering Information

Model No.	Description
HF55-DPSEC60-18-EXT	5.18-5.9 GHz, 17 dBi, 90°, 2x2 MIMO, V&H Polarized Sector Antenna

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