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2.4GHz 9dBi Omni-directional Antenna

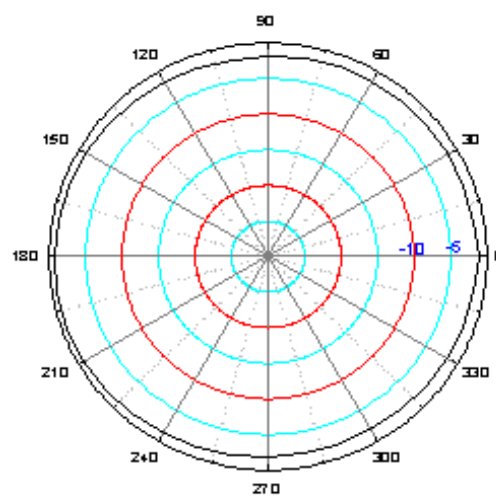
Model Number: SPDG8O



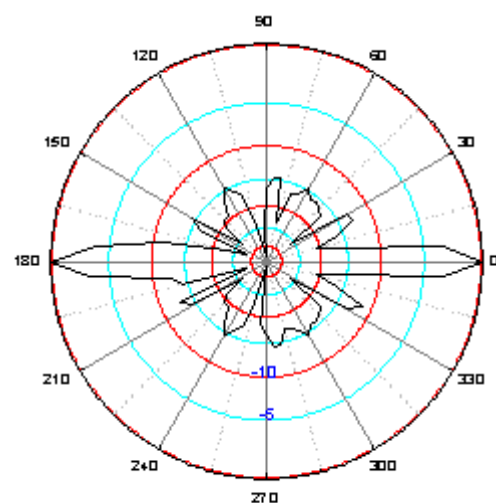
Technical Specifications

No	ITEM	TYPICAL	REMARKS
1	Frequency Range	2400 – 2483 MHz	
2	Impedance	50 Ω	
3	VSWR (or Return Loss)	$\leq 1.5:1$ (or $\geq 14\text{dB}$)	
4	Gain	9dBi	
5	Polarization	Vertical, Linear	
6	3dB Horizontal Beamwidth	360°	See attached plot
7	3dB Vertical Beamwidth	11°	See attached plot
9	Max. Power Input	20W	
10	Connector	Female N, Bottom-Feed	Or Custom Design
11	Appearance	See attached drawing	
12	Size	25 inch \times 1 inch	
13	Housing Material	PVC Radome	
14	Radome Material	PVC	
15	Radome Color	Gray	
16	Case Design	Water Resistance	
17	Weight	1 Lb	
18	Wind Loading (Frontal)	$\geq 10\text{Kg}$	200km/h
19	Temperature Range	-45 to +75 ° C	
20	Storage Temperature	-30 to +75 ° C	
21	Sensing Resistor or DC-Ground	Yes	

22	Life Expectancy	20 years	
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H-Plane Radiation Pattern



E-Plane Radiation Pattern