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2.4GHz 7dBi 120 degree Sector Panel Antenna

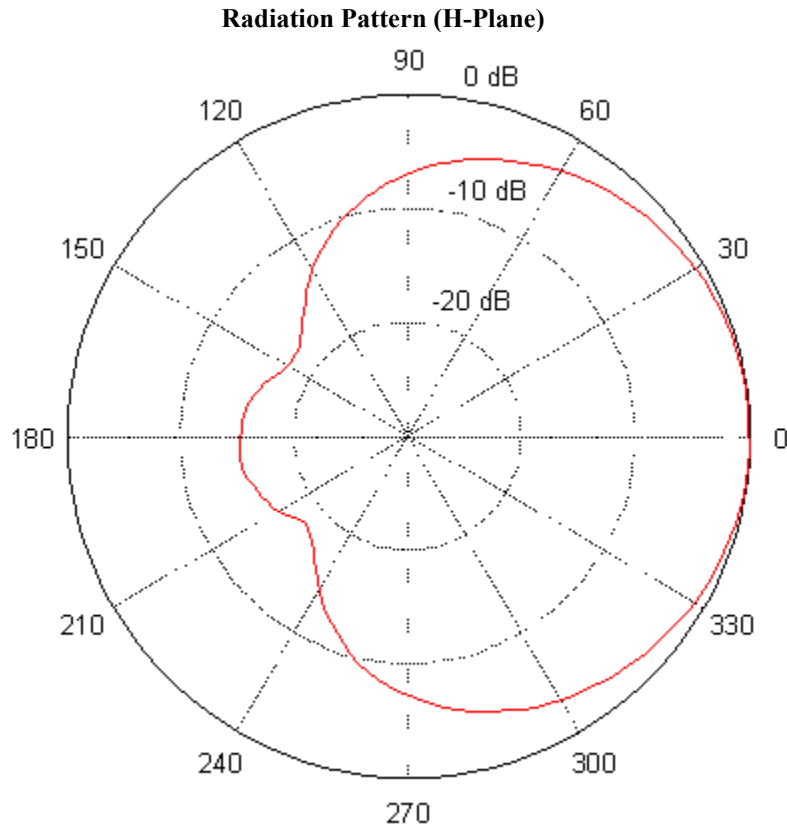
Model Number: SPDG11T



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	$\geq 7\text{dBi}$	
5	Polarization	Vertical, Linear	
6	3dB Horizontal Beamwidth	120°	See attached plot
7	3dB Vertical Beamwidth	60°	See attached plot
8	Front to Back Ratio	$\geq 14\text{dB}$	See attached plot
9	Max. Power Input	20W	
10	Connector	N/SMA Female, Bottom-Feed	Or Custom Design
11	Appearance	Panel Type	
12	Size	52× 113× 30 [mm]	
13	Housing Material	Powder Coated Aluminum	
14	Radome Material	ASA with UV Protection	
15	Radome Color	White	
16	Case Design	Water Resistance	
17	Weight	45g	
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	DC-Ground	Yes	Or Custom Design
22	Mounting Hardware	Gear Clamp	
23	Life Expectancy	20 years	



Radiation Pattern (E-Plane)

