

MT095D00RH

1 – 18 GHz 0 dBi Spiral Antenna



Wireless Edge
Antenna Solutions
An MTI Company

Electrical

Antenna Type	Archimedes Spiral		
Frequency	1 – 18 GHz		
Gain	1 – 3 GHz	-8.5 dBic min	
	3 – 5 GHz	-5 dBic min	
	5 – 6 GHz	-3 dBic min	
	6 – 8 GHz	0 dBic min	
	8 – 15 GHz	2 dBic min	
	15 – 18 GHz	-2 dBic min	
VSWR	1 – 5 GHz	4.5:1 max	
	5 – 13 GHz	2:1 max	
	13 – 18 GHz	4.5:1 max	
3 dB Beam Width	1 – 2 GHz	100° ± 20°	
	2 – 8 GHz	90° ± 20°	
	8 – 11 GHz	75° ± 20°	
	11 – 18 GHz	70° ± 20°	
Polarization	RHCP		
Axial Ratio @ Boresight	1 – 1.5 GHz	5 dB max	
	1.5 – 4 GHz	2.5 dB max	
	4 – 12 GHz	1 dB max	
	12 – 18 GHz	2 dB max	
Impedance	50 Ω		
Power Handling	6 W		
Lightning Protection	DC Grounded		

Mechanical

Dimensions Ø x D	Ø80 x 64 mm
Weight	260 gr max
Connector	SMA Female
Base Plate	Aluminum with chemical conversion coating

Environmental

Test	Standard	Duration	Temperature	Notes
Operating Temperature	MIL-STD-810E		-25° to +65° C	
Storage Temperature	MIL-STD-810E		-40° to +71° C	
Vibration	MIL-STD-167-1 Type 1			
Operating Shock	160 g half sine			0.7 msec each axis

* Antenna is not sealed and should be installed under a radome

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