



Your antenna design partner

Ultra – WideBand SMD Chip Antenna Channel 5 to 9

Datasheet

UWB SMD Chip Antenna

Channel 5 to 9

Electrical Specifications

1. Frequency: 5.98 – 8.237 GHz
2. Impedance: 50 Ω

Equipment Used

1. ETS 8050 Antenna Anechoic Chamber
2. Keysite 5071C VNA (Radiation Pattern Measurement)
3. Agilent 5071C VNA (Return Loss Measurement)



BAND	Ch 5 to Ch 9	
STANDARD	UWB	
Frequency (GHz)	Ch 5	6.240 – 6.739
	Ch 6	6.739 – 7.238
	Ch 7	5.980 – 6.998
	Ch 8	7.238 – 7.737
	Ch 9	7.737 – 8.237
Max. VSWR	1.9	
Max. Return loss	10.1 dB	
Peak gain	4.8 dBi	
Max Efficiency	92%	
Radiation properties	Omni directional	
Max. input power	1W	
Polarization	Linear	
Impedence	50 Ohms	

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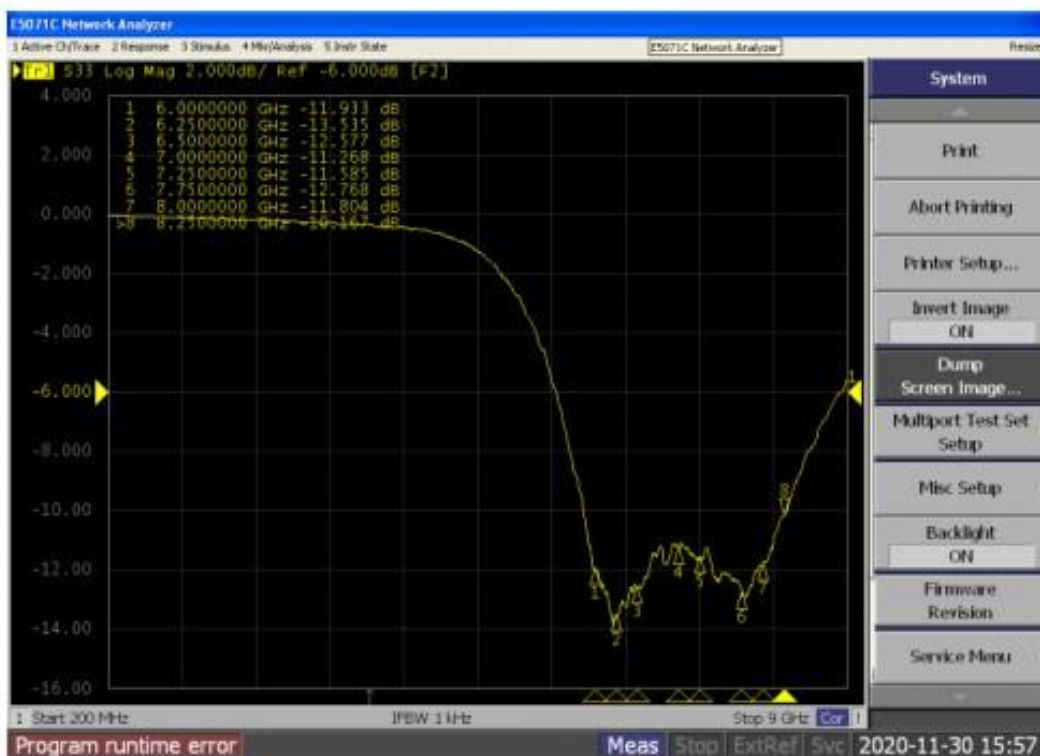
Features

1. Compact size 6.5*5*1.6mm
2. 5.98 -8.25 GHz
3. >75% Efficiency throughout the band
4. 4.8 dBi Peak Gain
5. SMD Design

Applications

1. UWB Channel 5 to 9)

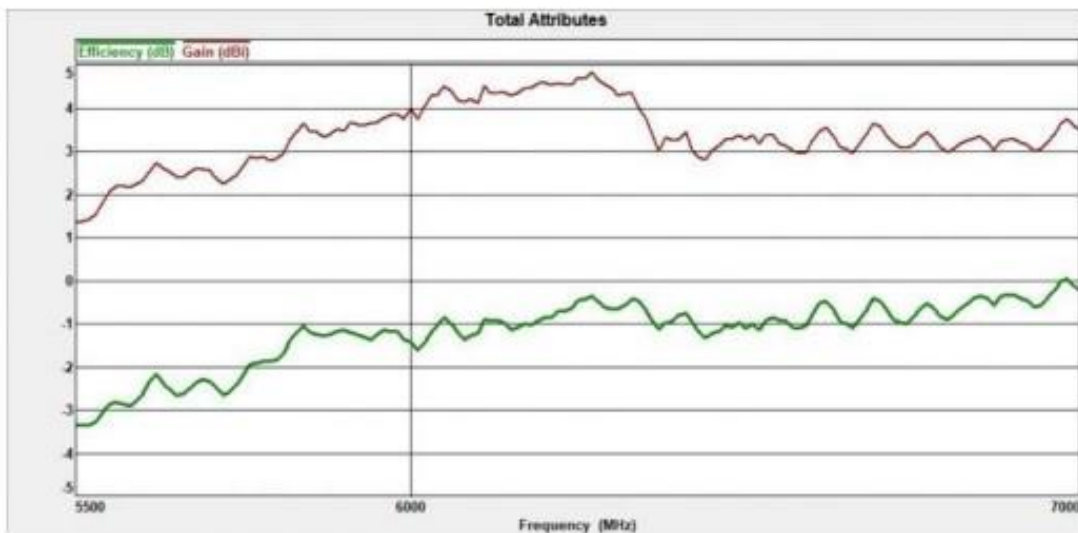
Return loss (dB)



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Efficiency and Peak gain



Radiation Pattern

