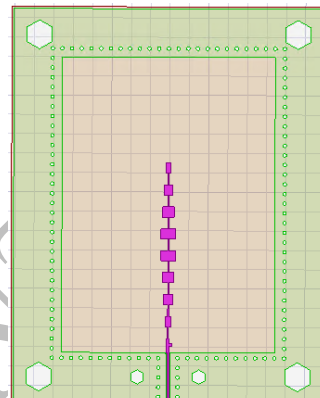


Description:

Model CUBT75800TI081T01 is a microstrip antenna that operate from **78 GHz** to **79 GHz**. The antenna offers 13.24 dB nominal gain, a typical half power beamwidth of 13.1 degrees on E-plane and 85.6 degrees on H-plane at **78.5 GHz**.



This antenna supports linear polarized waveforms.

Features:

- High Gain
- Linear Polarization

Applications:

- Automotive Radar

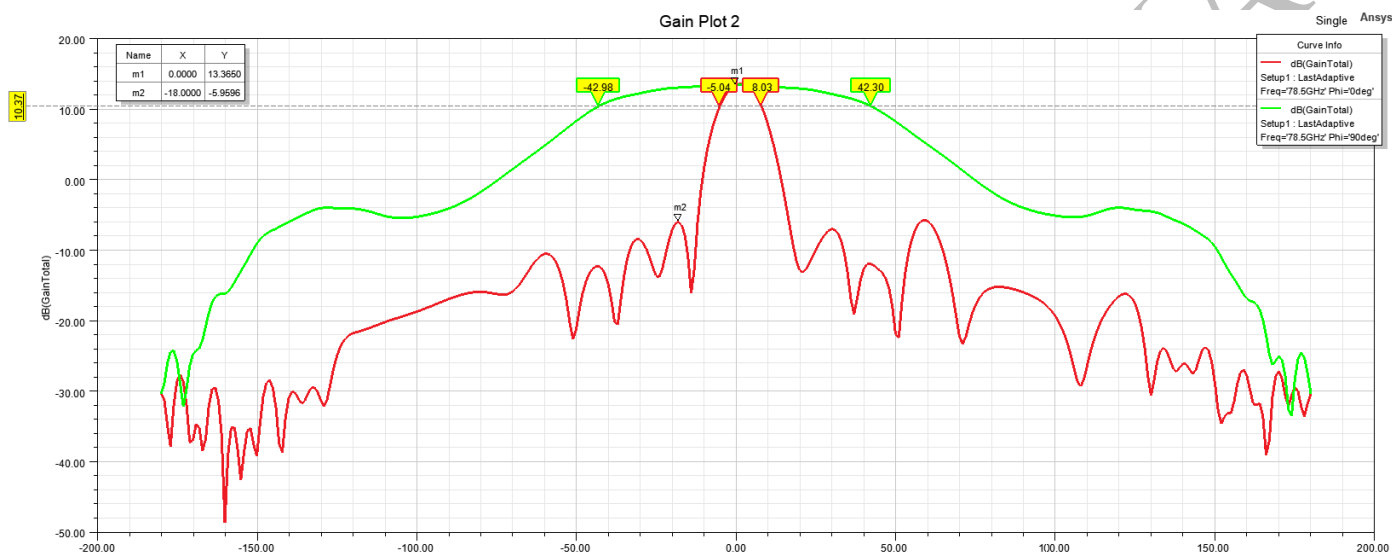
Electrical Specifications:

Parameters	Minimum	Typical	Maximum
Frequency		78.5 GHz	
Gain		13.24 dB	
Polarization	Linear		
3 dB Beamwidth, E-plane		13.1 deg	
3 dB Beamwidth, H-plane		85.6 deg	
Side Lobe, E-plane		18.5 dB	
Side Lobe, H-plane			
Return Loss		-22.2 dB	

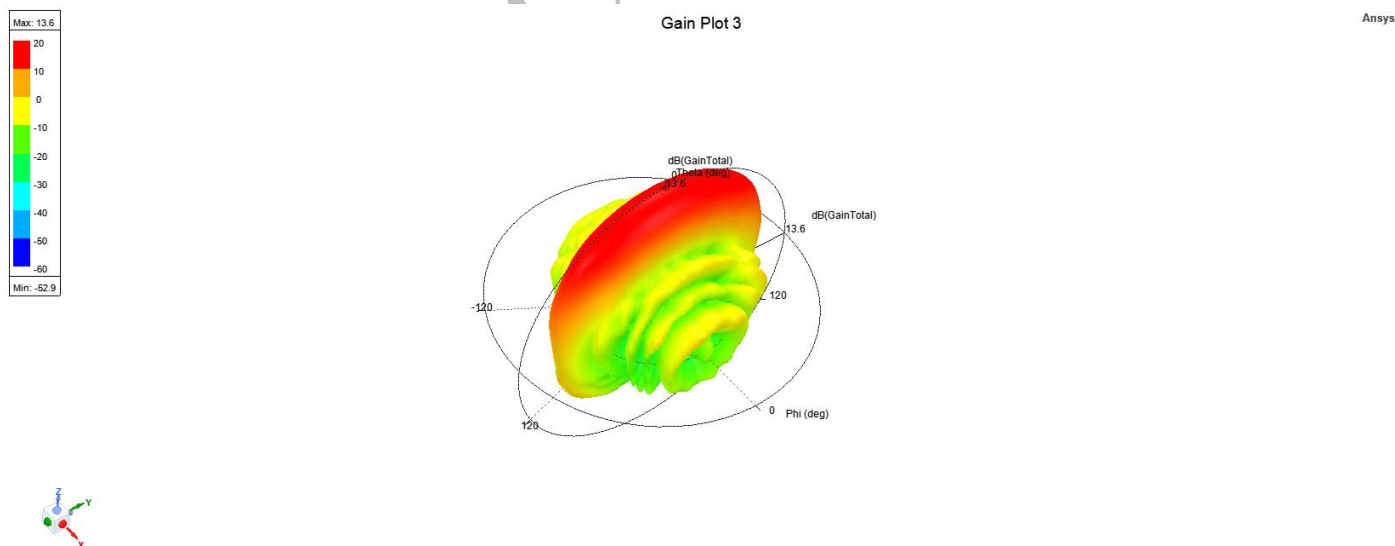
Mechanical Specifications:

Item	Specification
RF-Material	TU-1400 (5mil)(DK:3.00)(DF:0.007)
Size	19.68mm(L) × 1.5 mm(W) × 0.018 mm(T)

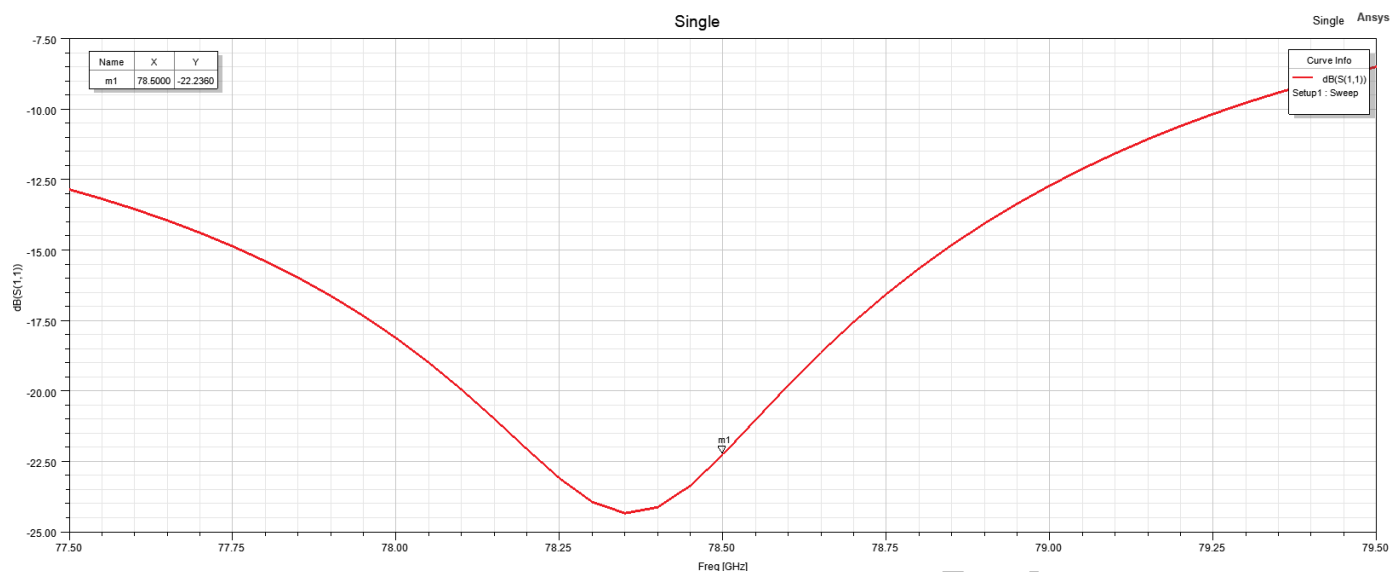
Typical Antenna 2D Pattern @ 78.5 GHz



Typical Antenna 3D Pattern @ 78.5 GHz



Typical S11 vs. Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in millimeters)

