

■ **ITEM** : Dielectric Patch Antenna Element for GPS L1 Band

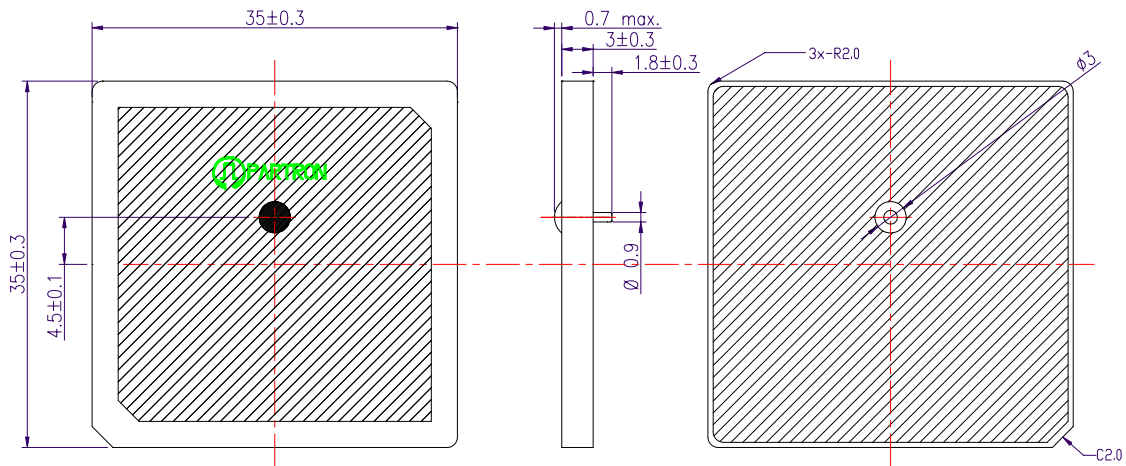
■ **Part Number** : ANPS1580D3ZTA

■ **Electric Specification**



ITEM	SPECIFICATION	UNIT	CONDITIONS
Outline Dimension	35x35x3	mm	
Center Frequency	1580	MHz	with 50mm ² GND plane
Gain@Zenith	+3.5	dBic typ.	
Band Width	16	MHz typ	@ 10dB Return Loss
Axial Ratio	3.0	dB max.	@ Center Frequency
Impedance	50	Ω	
Polarization	RHCP		
Temperature Coefficient	20	ppm/°C	-40°C to +85°C
※ Measured on 50 square ground plane ※ Center frequency is shifted about 5MHz down when covered with a radome			

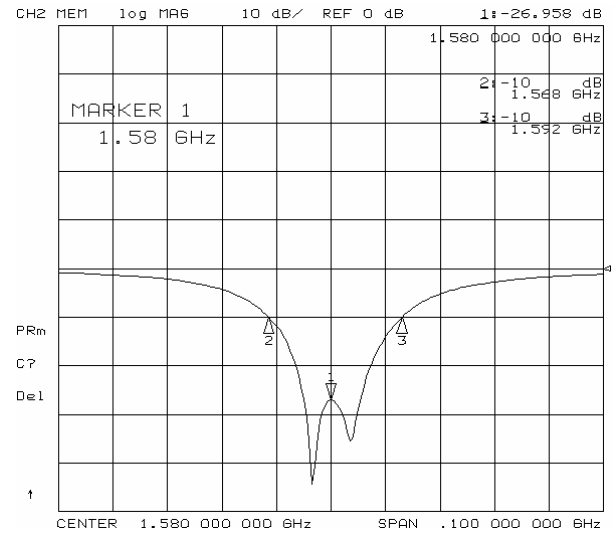
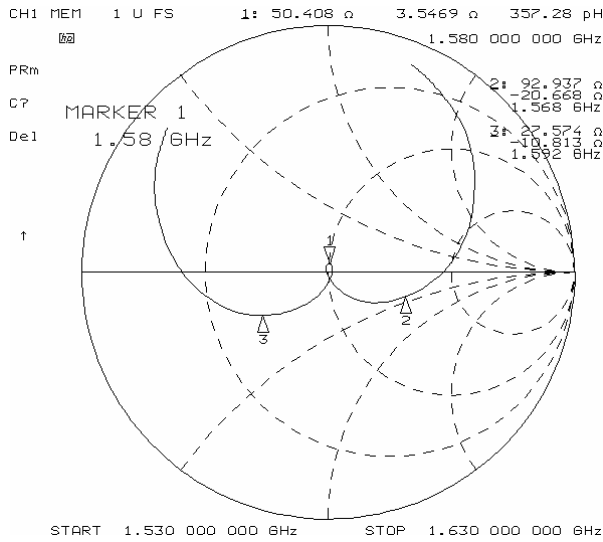
■ **Dimension**



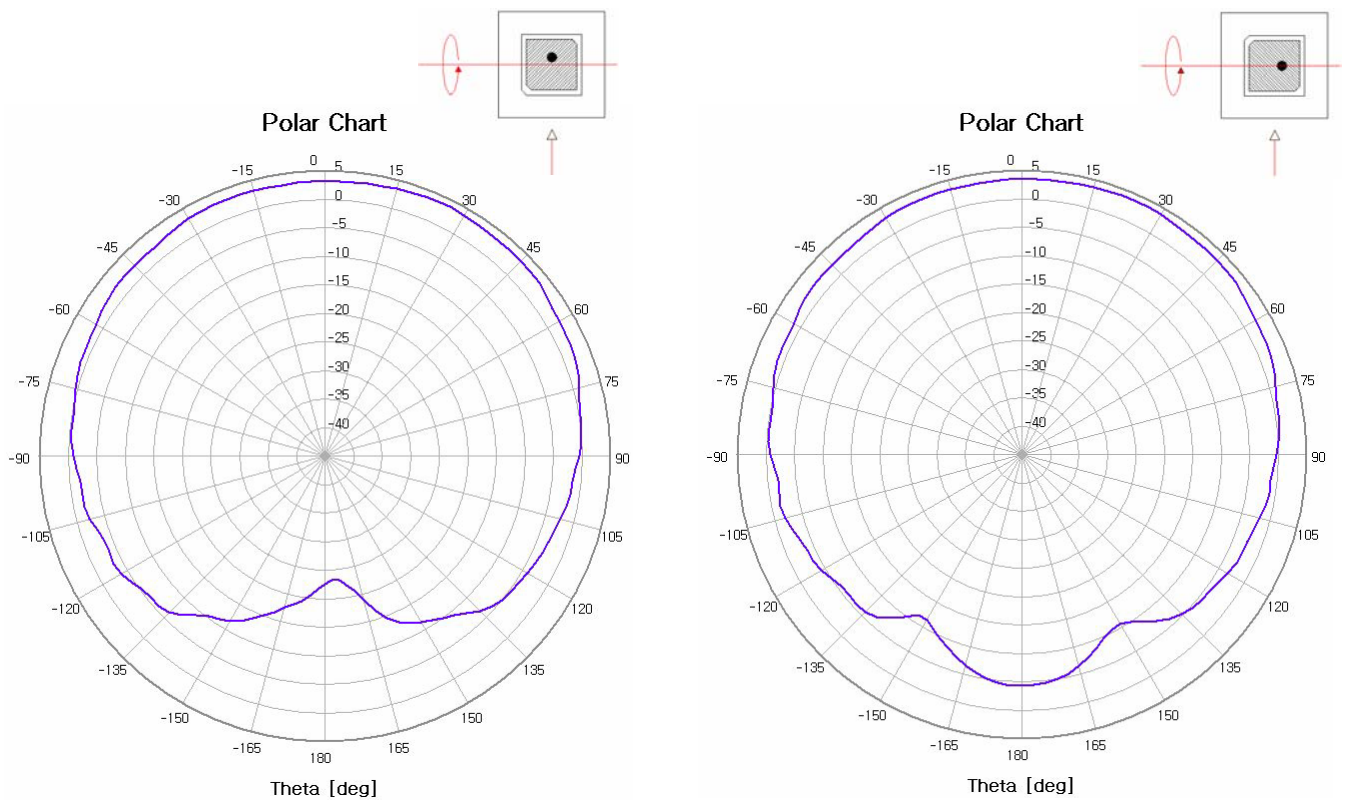
Unit: mm

Typical Characteristics

-Smith Chart & Return Loss

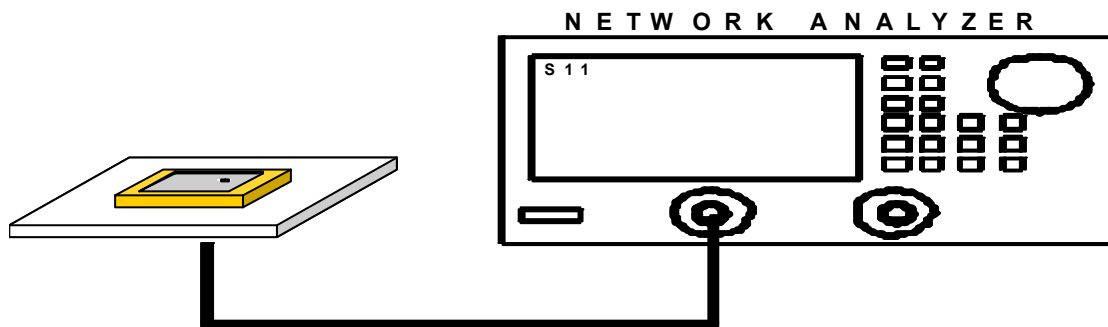


Radiation Pattern



■ Measurement condition

- S-parameter and Return Loss(VSWR) measurement



Gain measurement

