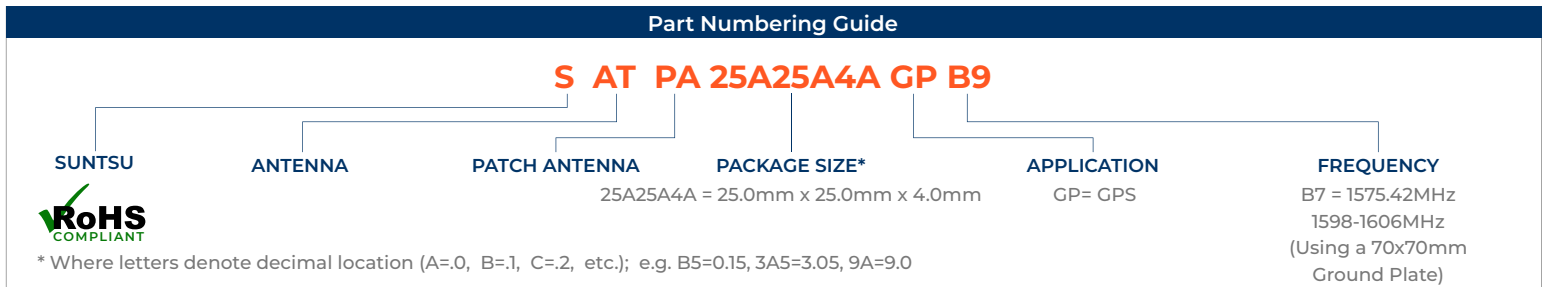


Features
<ul style="list-style-type: none"> • GPS & GLONASS • Low Temperature Coefficient Of Frequency • Stable And Reliable Performance • 1575.42MHz & 1598-1606MHz • Compact Size With Efficient Reception

Applications
<ul style="list-style-type: none"> • Satellite Navigation And Tracking Systems • Vehicle/Vessel Management Systems • Base Station Of Cellular Phone Systems • Smart Hand Held Devices • For Use With a 70mm x 70mm Ground Plate

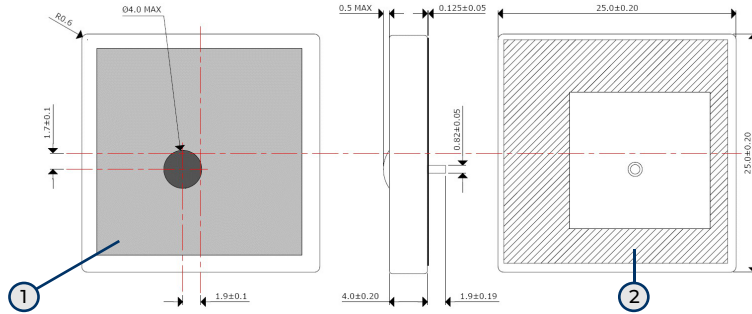


Electrical Parameters (GPS)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz		1575.42		
Impedance	Ω		50		
Polarization			RHCP		
Gain @ Zenith	dBi		4		At 1575.42MHz
Gain @ 10° Elevation	dBi		-3.1		At 1575.42MHz
Freq. Temp. Coefficient	ppm/°C			0 ±20	
VSWR				2	At Center Frequency
Operating Temperature	C	-40		85	

Electrical Parameters (GPS)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz	1598		1606	
Impedance	Ω		50		
Polarization			RHCP		
Gain @ Zenith	dBi		4.2		At Center Frequency
Gain @ 10° Elevation	dBi		-2.5		At Center Frequency
Freq. Temp. Coefficient	ppm/°C			0 ±20	
VSWR				2	At Center Frequency
Operating Temperature	C	-40		85	

Outline Drawing

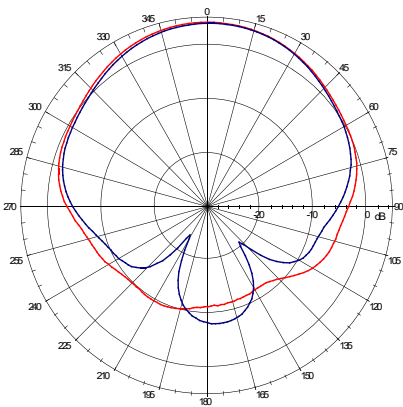
All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.



Item	Material
1	Patch Antenna
2	Adhesive Tape

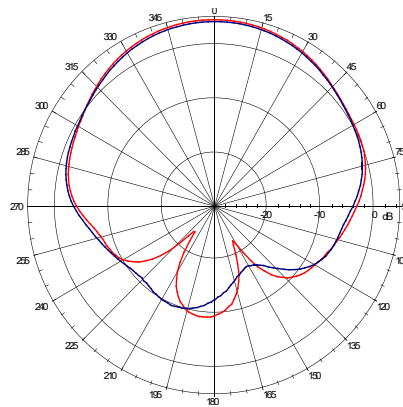
Radiation Pattern

1575.42MHz



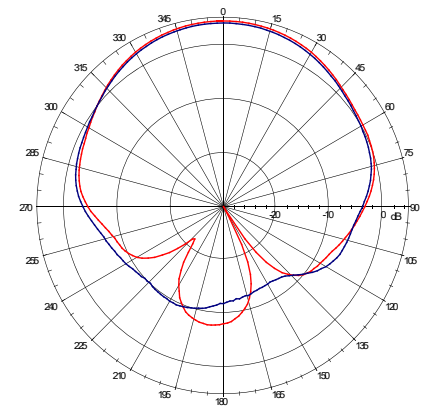
Radiation Pattern

1598MHz



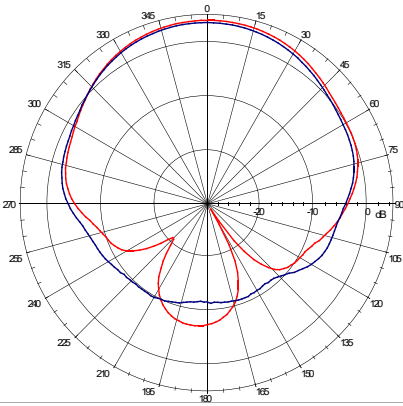
Radiation Pattern

1602MHz

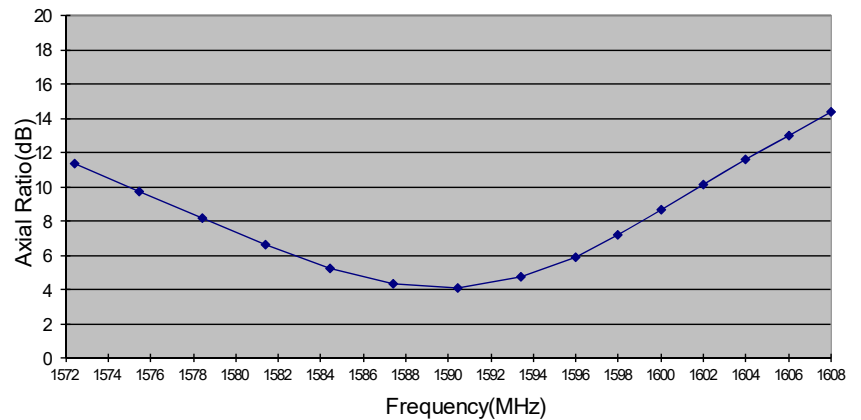


Radiation Pattern

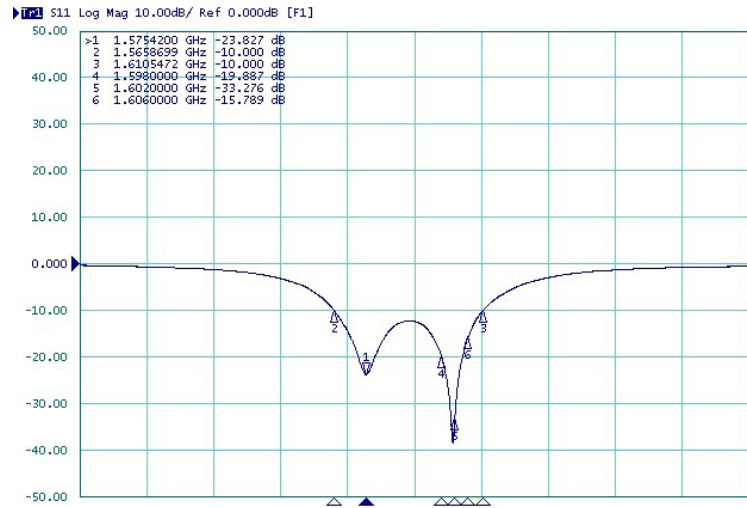
1606MHz



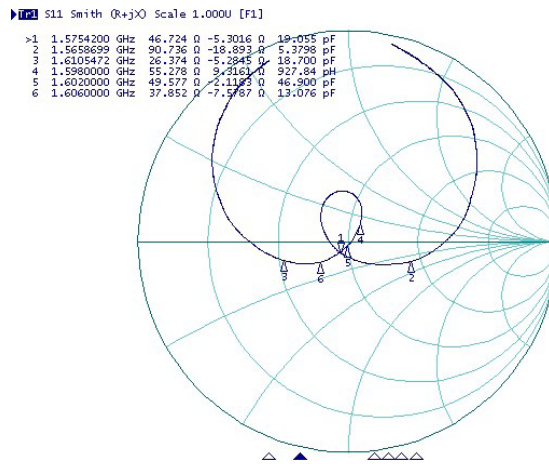
Axial Ratio (40MM X 40MM Ground Plane)



Return Loss



Smith Chart



Environmental & Mechanical Specifications

High Temperature Test	85°C for 240 hours, and then to normal temperature/humidity High Temperature Test for 24hours.
Low Temperature Test	-30°C for 240 hours, and then to normal temperature/humidity for 24hours.
Humidity Test	85°C / 90-95%RH for 48 hours, and then to normal temperature/humidity for 24hours.