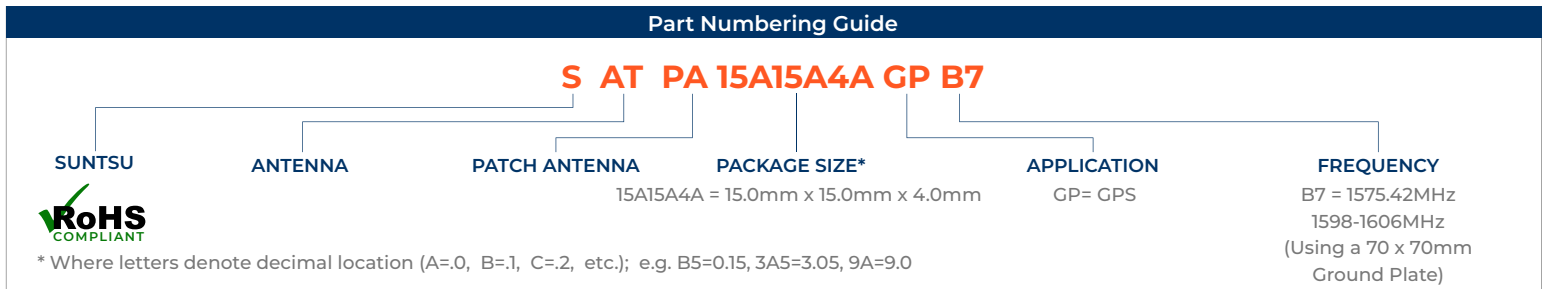


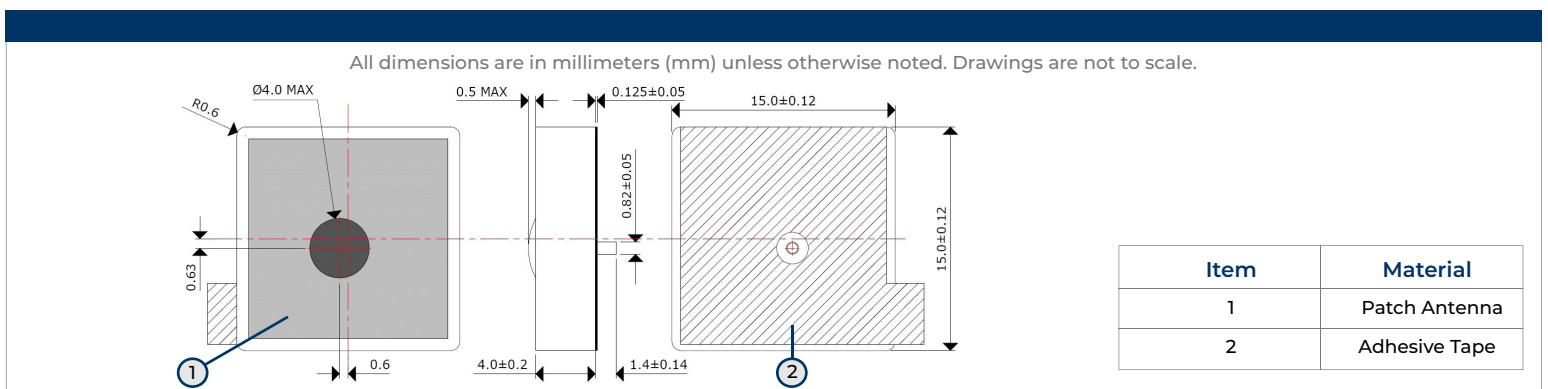
Features
<ul style="list-style-type: none"> • GPS & GLONASS • Low Temperature Coefficient Of Frequency • Stable And Reliable Performance • 1575.42MHz & 1598-1606MHz • Compact Size With Efficient Reception

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



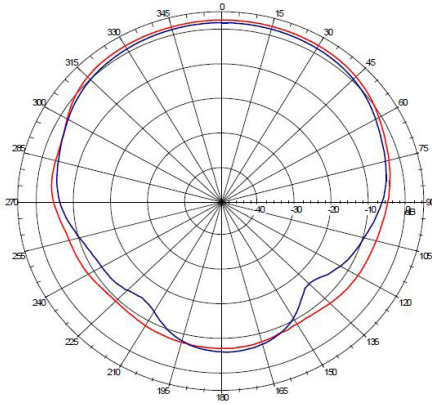
Electrical Parameters (GPS)	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz		1575.42		
Impedance	Ω		50		
Polarization			RHCP		
Peak Gain	dBi		2.5		At 1575.42MHz
Freq. Temp. Coefficient	ppm/°C			0 ±20	
VSWR				2	At Center Frequency
Operating Temperature	C	-40		85	

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



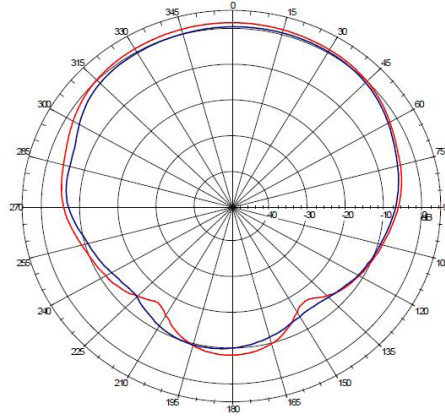
Radiation Pattern

1575.42MHz



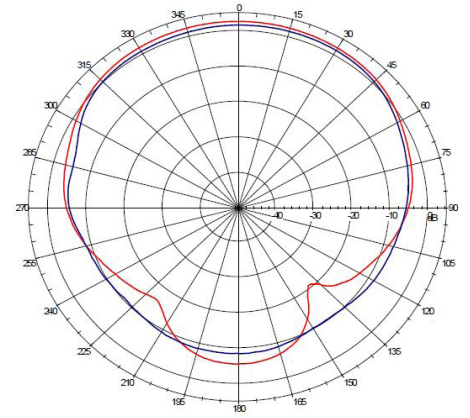
Radiation Pattern

1598MHz



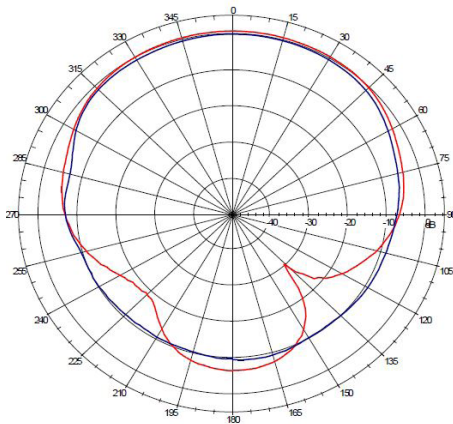
Radiation Pattern

1602MHz

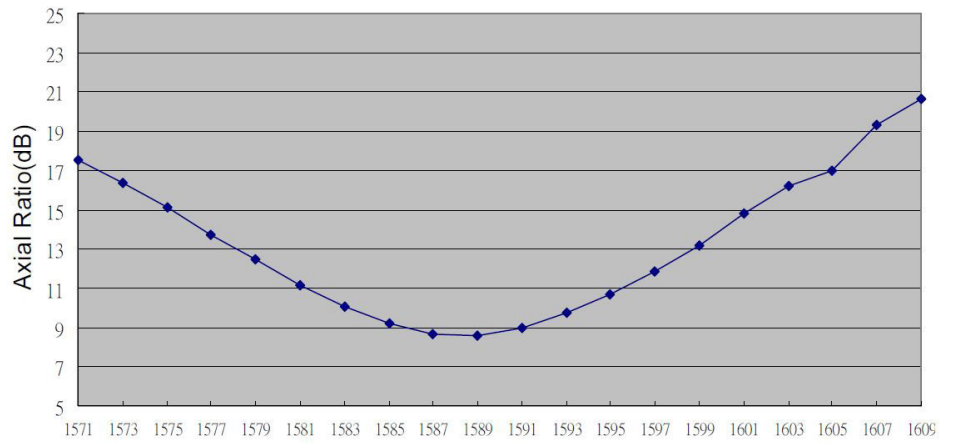


Radiation Pattern

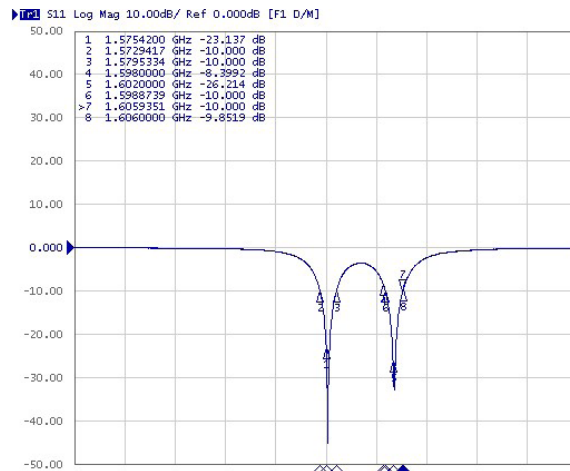
1606MHz



Axial Ratio (15MM X 15MM Ground Plane)



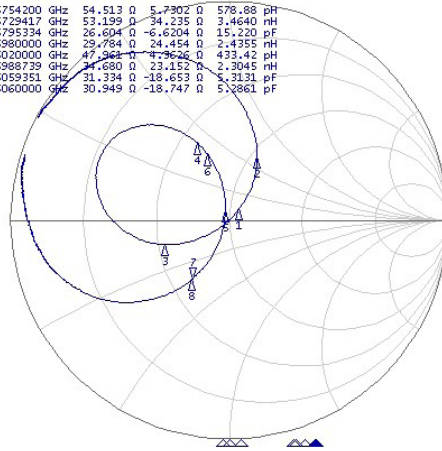
Return Loss



Smith Chart

▶ S11 Smith (R+jX) Scale 1.0000 [F1 D/M]

1	1.5754200	GHz	54.513	0	5.7902	0	578.88	pH
2	1.5729417	GHz	53.199	0	34.235	0	3.4640	nH
3	1.5795334	GHz	26.604	0	-6.6204	0	15.220	pF
4	1.5960000	GHz	29.784	0	24.454	0	2.4355	nH
5	1.6020000	GHz	47.982	0	4.9626	0	433.42	pH
6	1.5988739	GHz	34.680	0	23.152	0	2.3045	nH
>7	1.6059351	GHz	31.334	0	-18.653	0	5.3121	pF
8	1.6060000	GHz	30.949	0	-18.747	0	5.3861	pF



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.