



Part Number	Package	Application	Last Modified
801-RF1575.42M-G	2.5 x 2.0 SMD	GPS	Mar. 2, 2007

TYPE :  
 GPS, RF SAW Filter



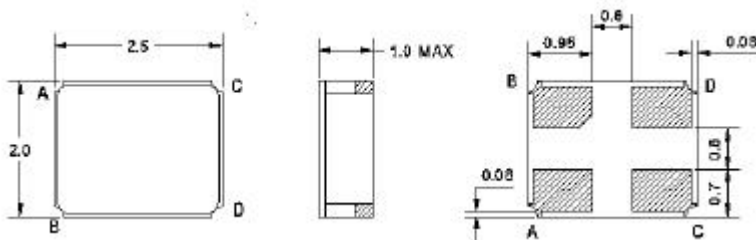
PART NUMBER :  
**801-RF1575.42M-G**

**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Condition	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	-	1575.42	-	MHz
Maximum Insertion Loss	1574.42~ 1576.42 MHz	-	1.7	2.2	dB
Attenuation:	DC~ 1400.0 MHz	35	37	-	dB
	1400.0~ 1475.0 MHz	30	34	-	
	1475.0~ 1525.0MHz	25	32	-	
	1625.0~ 1640.0 MHz	30	41	-	
	1640.0~ 2000.0 MHz	30	34	-	
2000.0~ 3000.0 MHz	20	25	-	-	
Source Impedance (single ended)*	-	-	50	-	ohm
Load Impedance (single ended)*	-	-	50	-	ohm
VSWR	1574.42~ 1576.42 MHz	-	1.2	2.0	-
Amplitude Ripple	1574.42~ 1576.42 MHz	-	0.3	1.0	dBp-p
Maximum DC Voltage	-	-	-	7.5	V
Maximum Input Power	-	-	-	20	dBm
Operating Temperature	-	-40	-	+85	°C

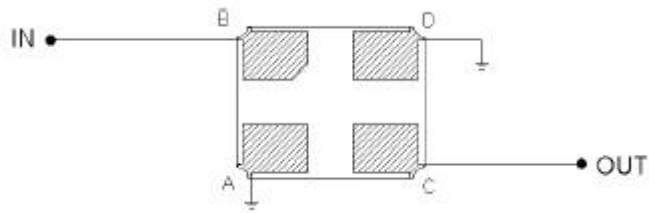
\* No Matching Network(Ref. Testing Enviroment Circuit as shown below)

**PACKAGE OUTLINE (mm)**



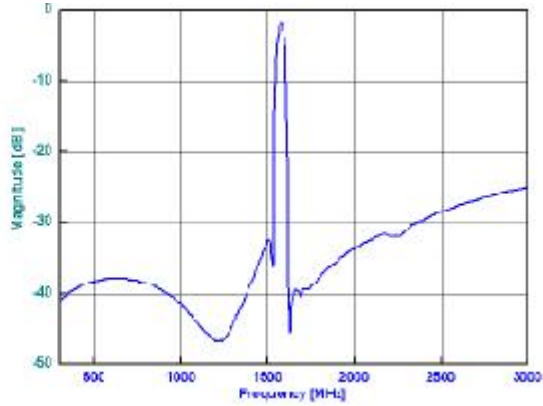
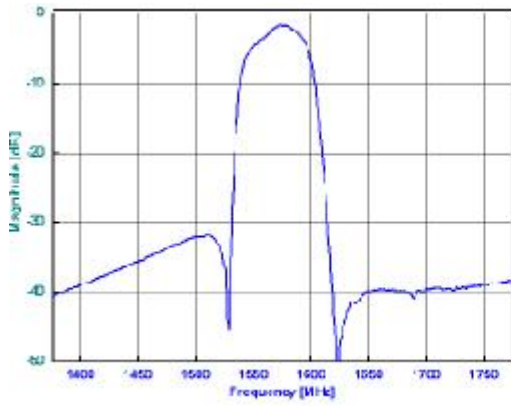
PIN LAYOUT	
A	Ground
B	In
C	Out
D	Ground

**TEST FIXTURE**

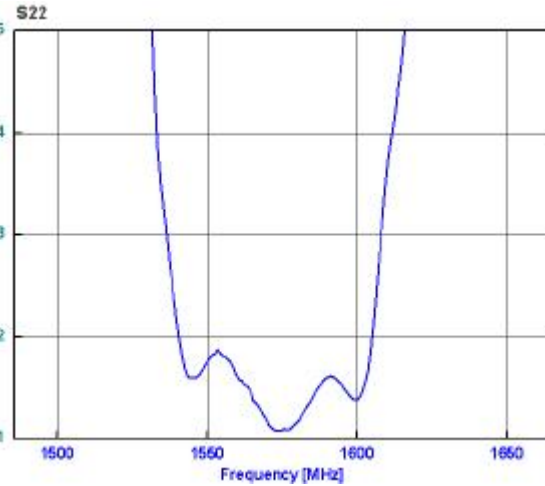
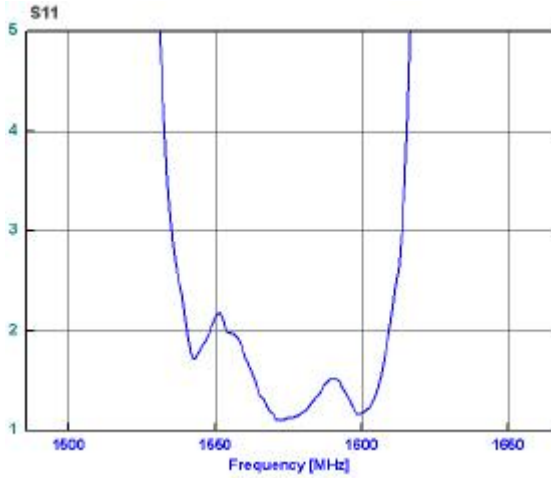


Load/ Source Impedance = 50 ohms

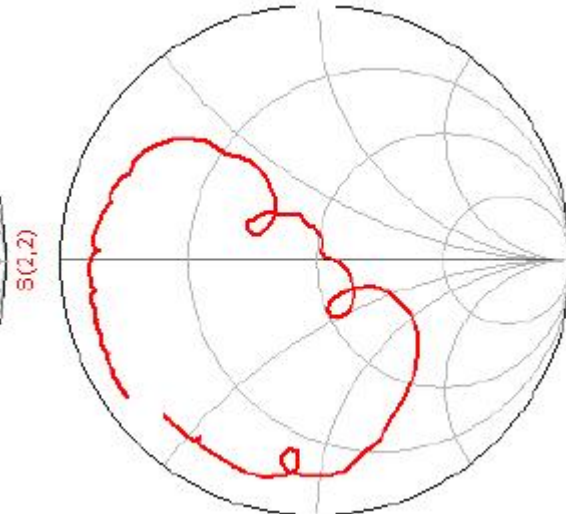
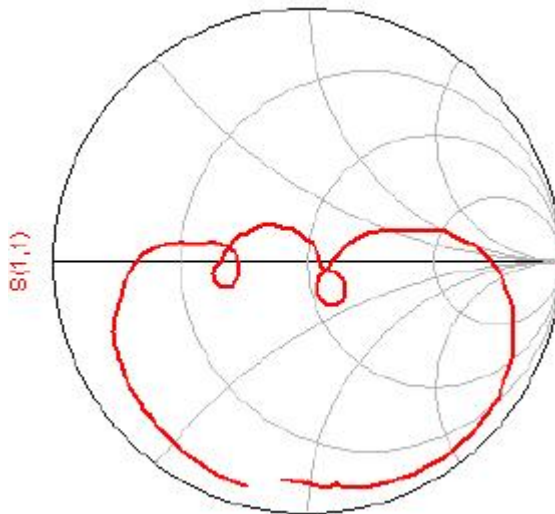
### FREQUENCY RESPONSE



### VSWR



### SMITH CHART



**Oscilent Corporation** - CALL **949.252.0522**

18195 East McDermott Street , Building D , Irvine , CA 92614 , USA  
Fax: 949.252.0599 , E-Mail: [Sales@Oscilent.com](mailto:Sales@Oscilent.com)

**Part No.:** [801-RF1575.42M-G](#)

---

[Crystal Oscillators](#) | [Quartz Crystal](#) | [TCXO](#) | [VCXO](#) | [IF SAW Filter](#) | [RF SAW Filter](#) | [Ceramic Resonator](#)  
[Crystal Filter](#) | [Ceramic Filter](#) | [SAW Filter / SAW Devices](#) | [Site Map](#)