



Total Solution Provider in Saw Device

SA1575GL

GPS, RF SAW Filter

Revision 0:



- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

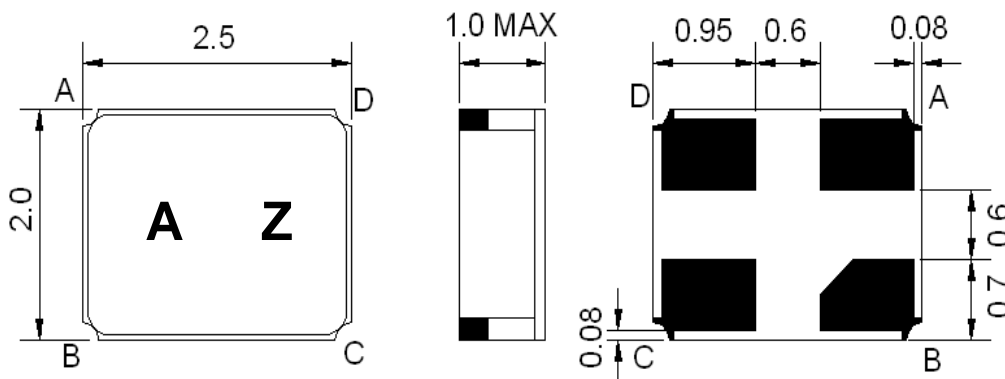
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	7.5
Maximum Input Power	dBm	-	-	20
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	L			
Length x Width	mm ²	-	2.5 x 2.0	-
Height	mm	-	-	1.0

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42~1576.42MHz	dB	-	1.7	2.2
Amplitude Ripple within 1574.42~1576.42MHz	dB _{p-p}	-	0.3	1.0
Attenuation:				
D.C. ~ 1400 MHz	dB	35	37	-
1400 ~ 1475 MHz	dB	30	34	-
1475 ~ 1525 MHz	dB	25	32	-
1625 ~ 1640 MHz	dB	30	41	-
1640 ~ 2000 MHz	dB	30	34	-
2000 ~ 3000 MHz	dB	20	25	-
VSWR within 1574.42~1576.42MHz	-	-	1.2	2.0

Notes : (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

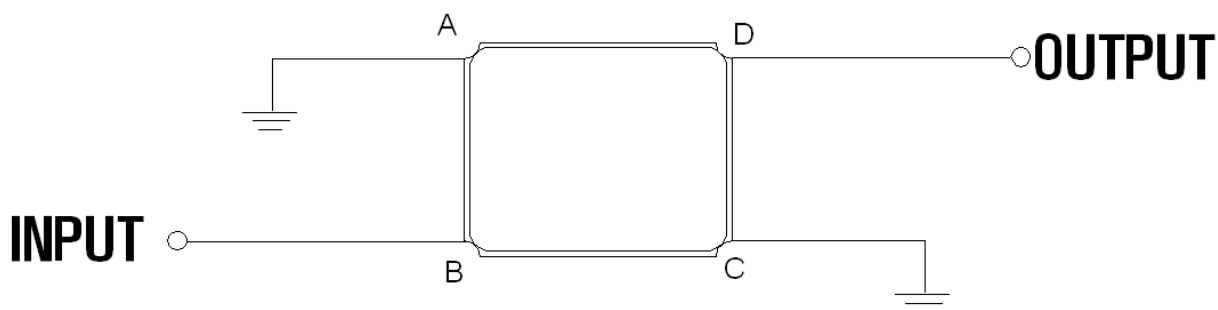
Package Dimensions



Marking Descriptions	
A	Series Number
Z	Data Code(Year+Month)

Pin Description	
A, C	Ground
B	In
D	Out

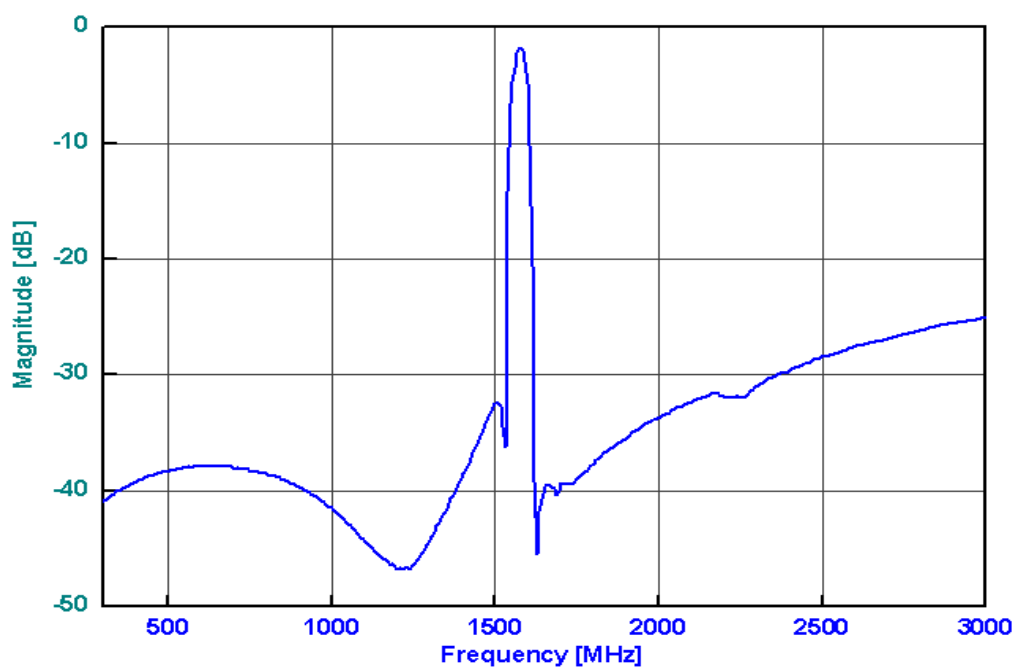
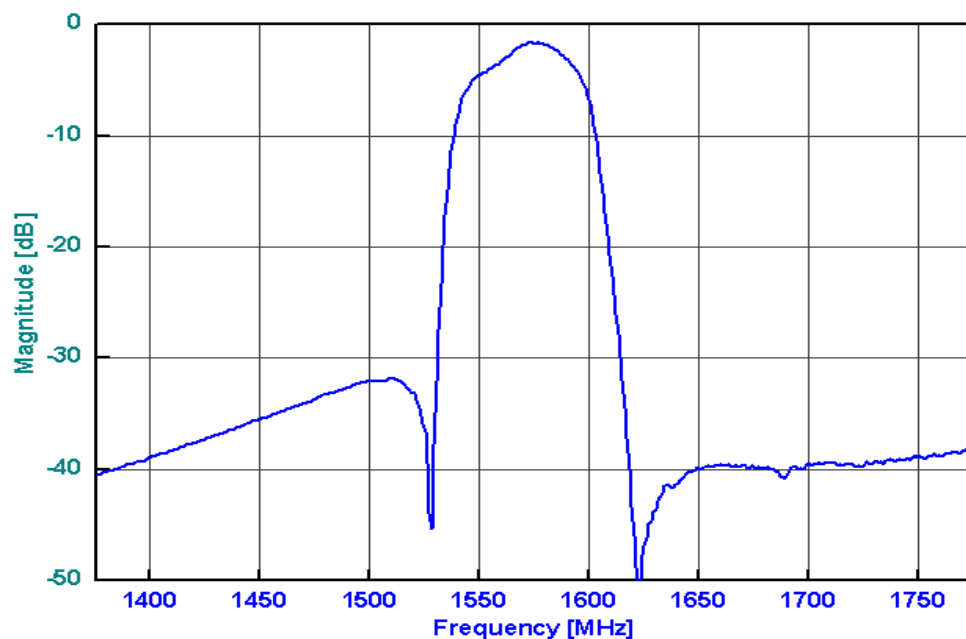
Testing Environment



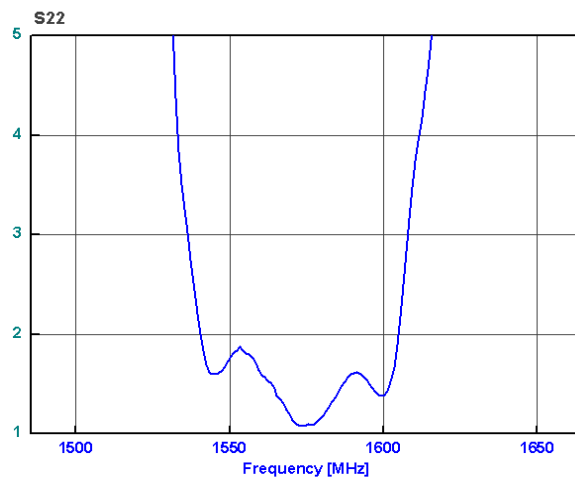
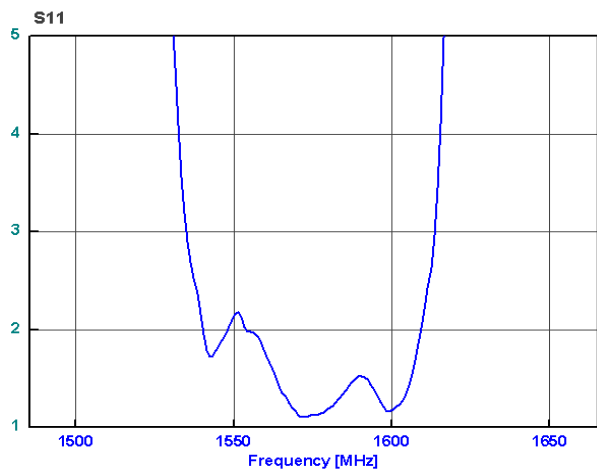
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

