



Total Solution Provider in Saw Device

SA1575MM

GPS, RF SAW Filter
Revision 0: May 2008



- Electrical Characteristics
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 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

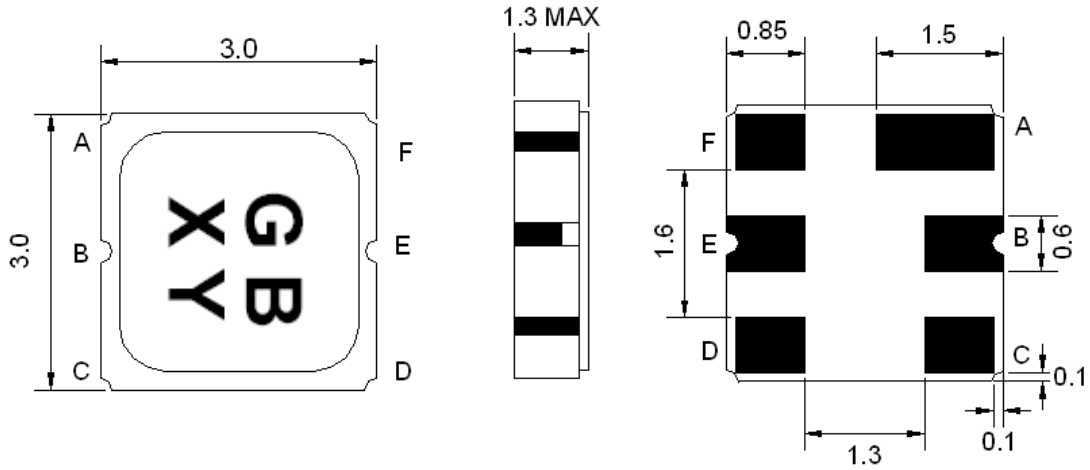
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1575.17~1575.67MHz	dB	-	0.65	0.95
Amplitude Ripple within 1575.17~1575.67MHz	dB _{p-p}	-	0.05	0.3
Attenuation:				
500.0 ~ 894.0 MHz	dB	20	25	-
894.0 ~ 1500.0 MHz	dB	21	27	-
1650.0 ~ 2000.0 MHz	dB	25	29	-
2000.0 ~ 4000.0 MHz	dB	17	23	-
VSWR within 1575.17~1575.67MHz	-	-	1.15	1.6

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

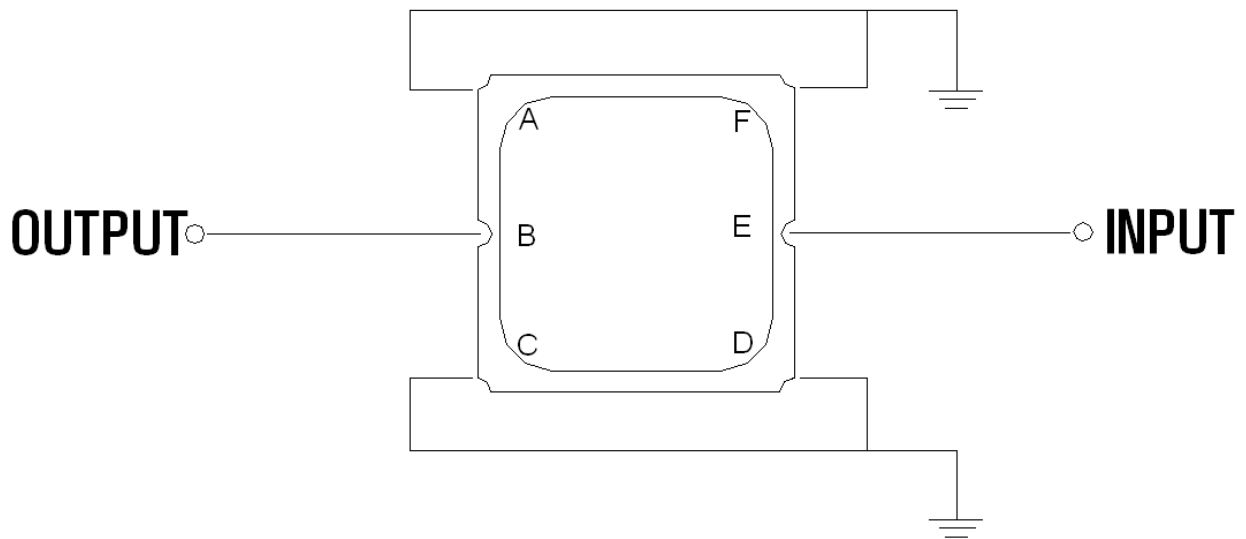
Package Dimensions



Marking Descriptions	
G	GPS Application
B	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
A, C, D, F	Ground
E	In
B	Out

Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

