



Total Solution Provider in Saw Device

SA1575KM1

GPS RF SAW Filter
Revision 0: March 2007



- Electrical Characteristics
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 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

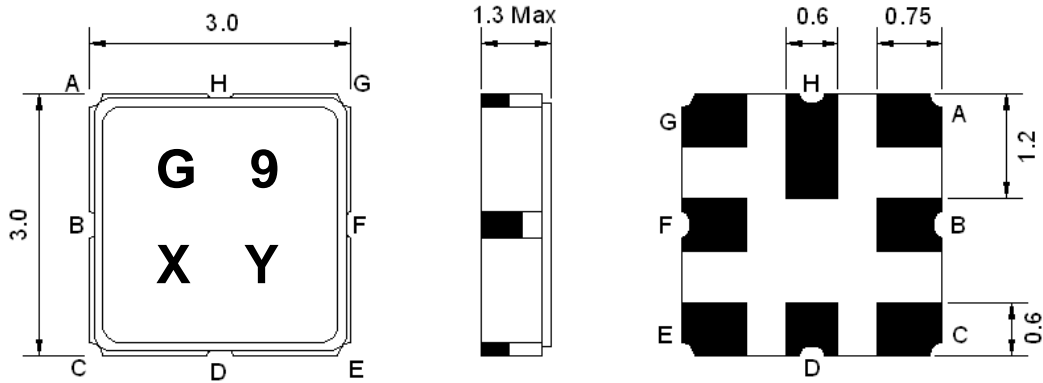
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M1			
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 1574.42~1576.42 MHz	dB	-	0.95	1.25
Amplitude Ripple within 1574.42~1576.42 MHz	dB _{p-p}	-	0.1	0.75
Attenuation:				
D.C. ~ 1450.0 MHz	dB	40	50	-
1450.0 ~ 1520.0 MHz	dB	30	40	-
1625.0 ~ 1640.0 MHz	dB	30	40	-
1640.0 ~ 1805.0 MHz	dB	40	50	-
1805.0 ~ 1910.0 MHz	dB	45	55	-
1910.0 ~ 2000.0 MHz	dB	40	50	-
VSWR within 1574.42~1576.42 MHz	-	-	1.15	1.6

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

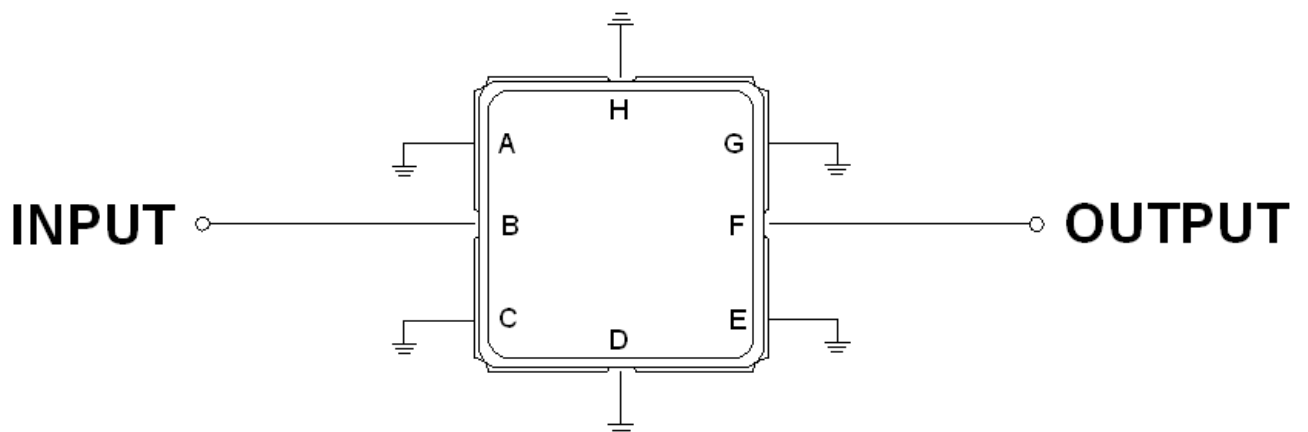
Package Dimensions



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

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

Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

