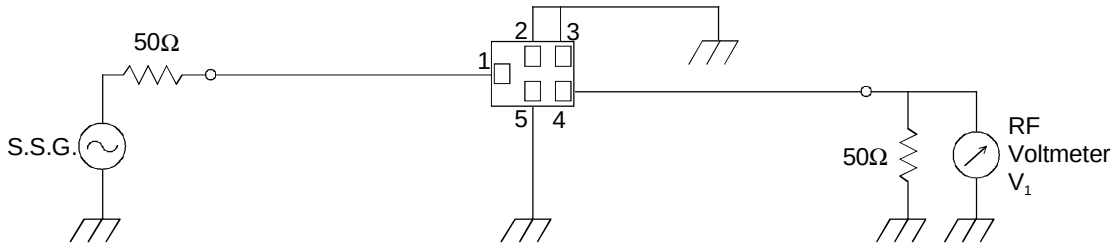
SAW FILTER FOR GPS RF

Murata part number : SAFEB1G57KB0F00

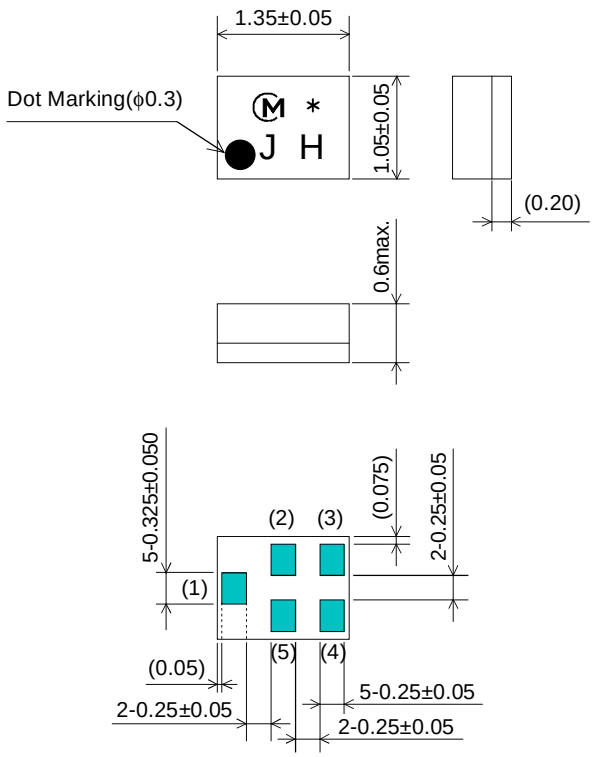
Feature

1. Low Insertion Loss (0.8 dB max.)
2. Ultra Small SMD package (1.35x1.05mm package)

Test Circuit



Package Dimensions



Marking
: Laser Printing

(1) : Input
(4) : Output
Others : Ground

Unit : mm

Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	1575.42MHz		
Insertion Loss (1574.22 to 1576.62MHz)	0.8 dB max.	0.6 dB max.	0.45 dB
Absolute Attenuation			
1) 824 to 960 MHz	20 dB min.	20 dB min.	21 dB
2) 1500 to 1525.42 MHz	20 dB min.	20 dB min.	26 dB
3) 1625.42 to 1650 MHz	20 dB min.	25 dB min.	34 dB
4) 1710 to 2170 MHz	20 dB min.	20 dB min.	24 dB
Ripple Deviation (1574.22 to 1576.62MHz)	0.5 dB max.	0.5 dB max.	0.02 dB
VSWR (1574.22 to 1576.62MHz)	2.0 max.	2.0 max.	1.1
Input/Output Impedance (nominal)	50Ω		

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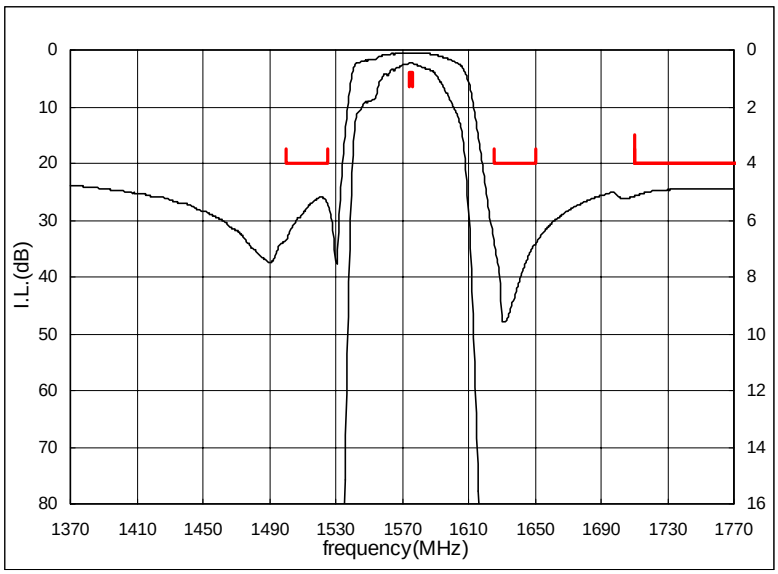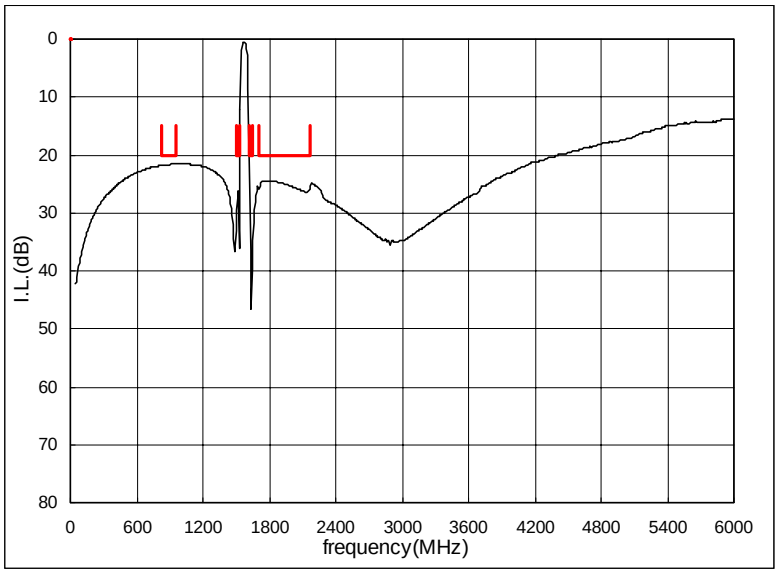
Frequency Performance