

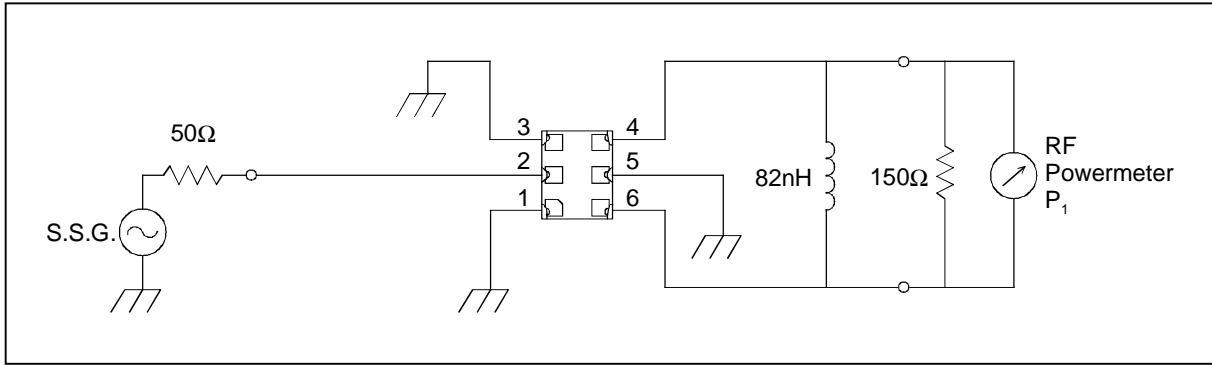
SAW FILTER FOR GSM900 (Rx)

Murata part number : SAFEH942MFN0F00

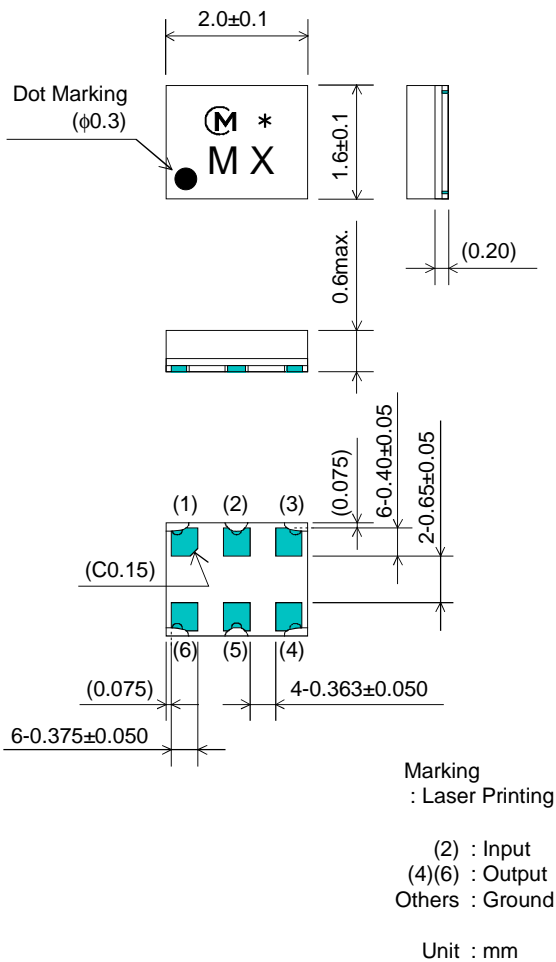
Feature

1. Ultra Small SMD package (2.0x1.6mm package)
2. Low Insertion Loss (2.3 dB max.)
3. Balance type (50Ω/150Ω)

Test Circuit



Package Dimensions



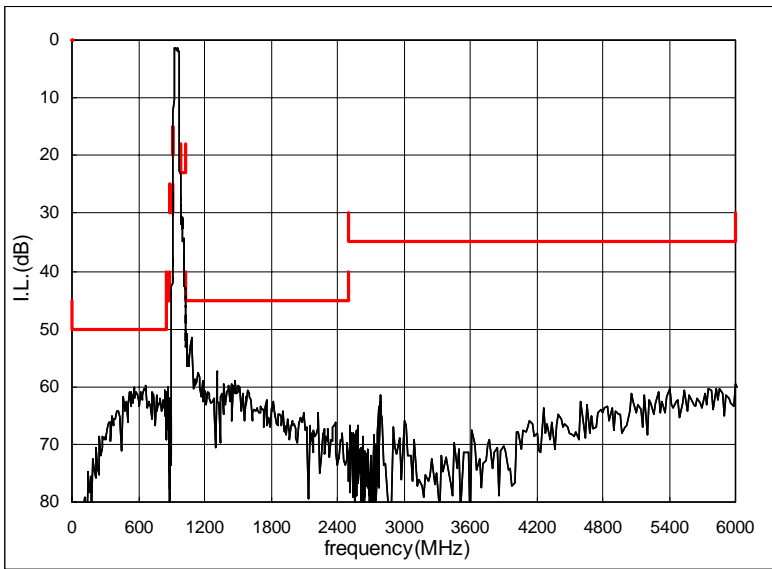
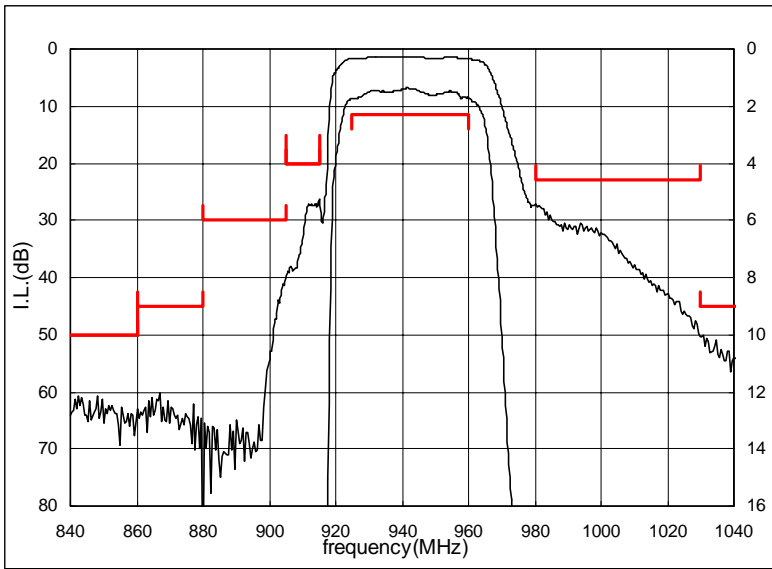
Specification

Item	Specification		
	-10 to 80°C	25±2°C	typ.
Nominal Center Frequency(fc)	942.5MHz		
Insertion Loss (925 to 960MHz)	2.3dB max.	2.1dB max.	1.7 dB
Absolute Attenuation			
1) 0 to 860 MHz	50 dB min.	50 dB min.	60 dB
2) 860 to 880 MHz	45 dB min.	45 dB min.	62 dB
3) 880 to 905 MHz	30 dB min.	30 dB min.	41 dB
4) 905 to 915 MHz	20 dB min.	23 dB min.	27 dB
5) 980 to 1030 MHz	23 dB min.	23 dB min.	27 dB
6) 1030 to 2500 MHz	45 dB min.	45 dB min.	52 dB
7) 2500 to 6000 MHz	35 dB min.	35 dB min.	53 dB
Ripple Deviation (925 to 960MHz)	1.3dB max.	1.0dB max.	0.4 dB
VSWR (925 to 960MHz)	2.0 max.	1.9 max.	1.5
Amplitude Balance (925 to 960MHz)	±1.0dB max.	±0.8dB max.	±0.2dB
Phase Balance (925 to 960MHz)	180±10deg. max.	180±7deg. max.	180+2deg.
Input Impedance (nominal)	50Ω		
Output Impedance (nominal)	150Ω/82nH		

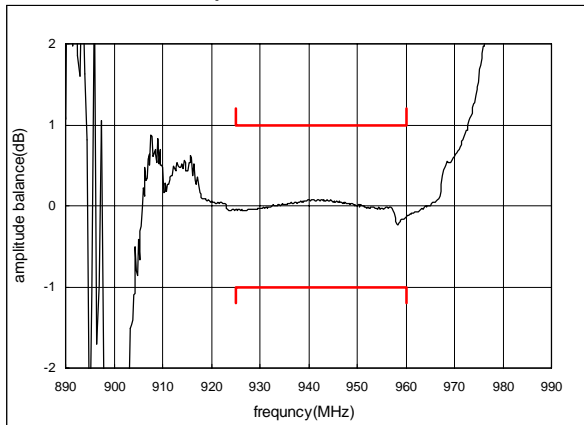
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Frequency Performance



Amplitude balance



Phase balance

