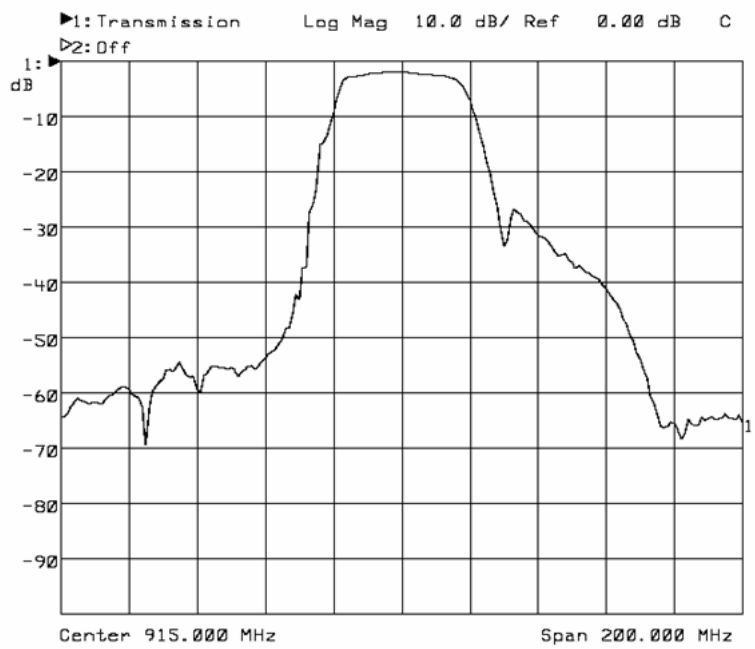
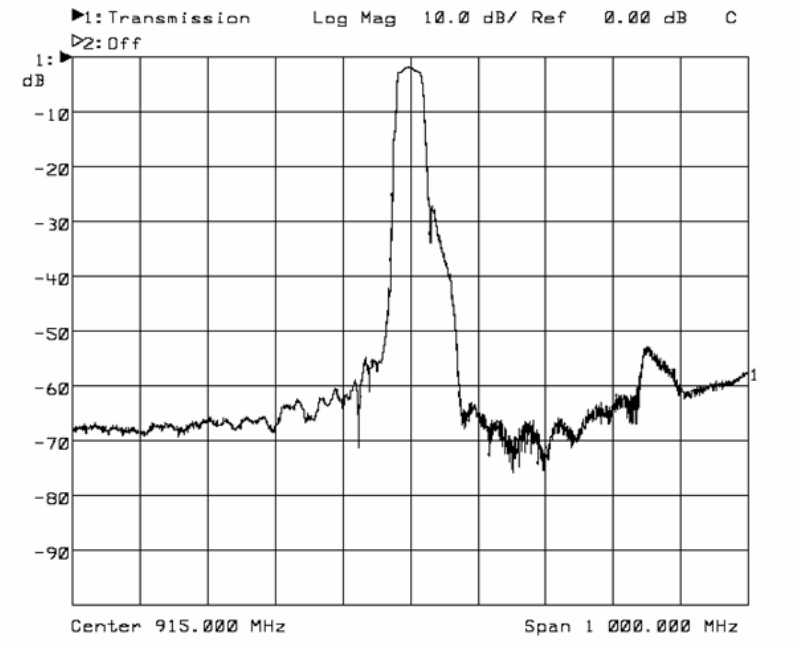
DESCRIPTION

- 915 MHz SAW bandpass filter with a 37 MHz typical 3dB bandwidth.
- 3.8 x 3.8 mm ceramic LCC package.
- RoHS compliant.

TYPICAL PERFORMANCE





SPECIFICATION

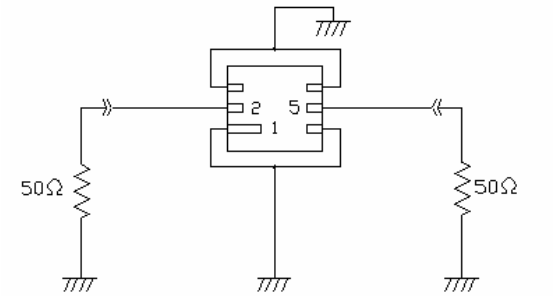
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) [1]	-	915	-	MHz
Passband Width	-13	-	+13	MHz
Insertion Loss (902 to 928 MHz)	-	2.8	3.3	dB
Amplitude Ripple (902 to 928 MHz)	-	1.1	1.5	dB p-p
Relative Attenuation (10 to 700 MHz) [2]	50	55	-	dB
Relative Attenuation (700 to 845 MHz) [2]	45	50	-	dB
Relative Attenuation (845 to 880 MHz) [2]	35	40	-	dB
Relative Attenuation (947 to 992 MHz) [2]	15	20	-	dB
Relative Attenuation (992 to 1020 MHz) [2]	35	40	-	dB
Relative Attenuation (1020 to 1200 MHz) [2]	45	50	-	dB
Temperature Coefficient of Frequency	-	-30	-	Ppm/ C
Terminating Impedance	50 Ω // 0 nF			
Ambient Temperature	-	25	-	°C

Notes: 1. Fixed reference point.
2. Reference level from 0dB.

MAXIMUM RATINGS

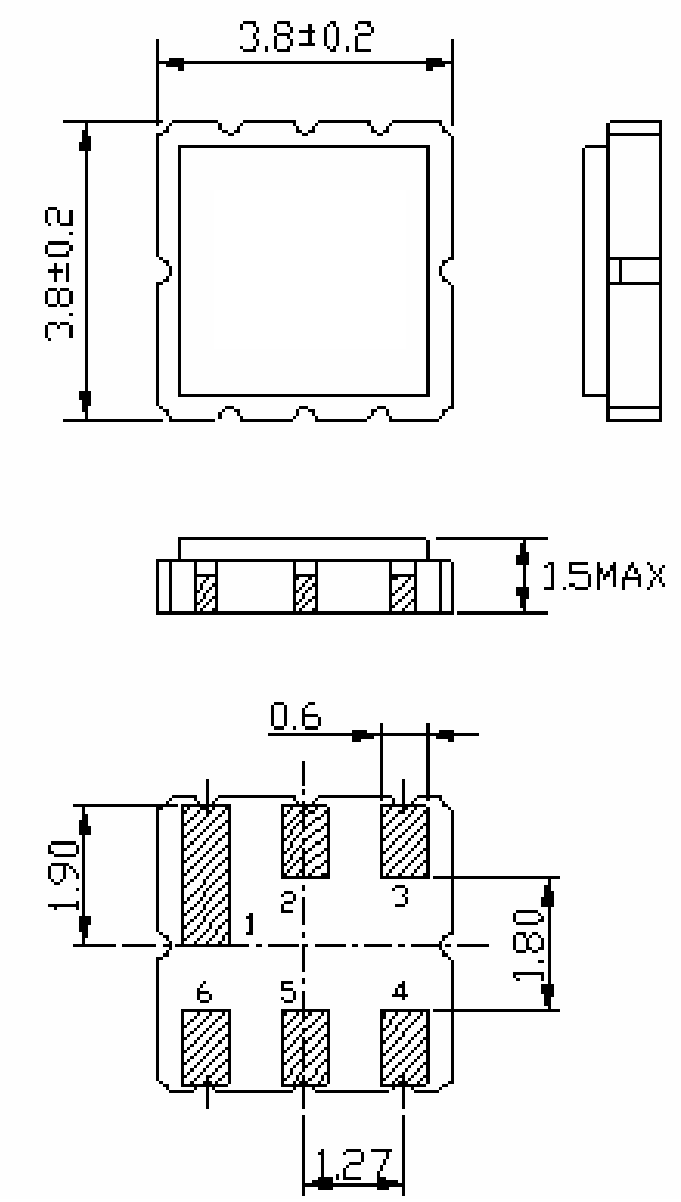
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	˚C
Operating Temperature Range	0	70	˚C
Input Power Level	-	10	dBm
DC Voltage	-	10	Volts

MATCHING CIRCUIT



Note: Matching components are not required; 50 ohm single-ended system.

PACKAGE OUTLINE



Units: mm

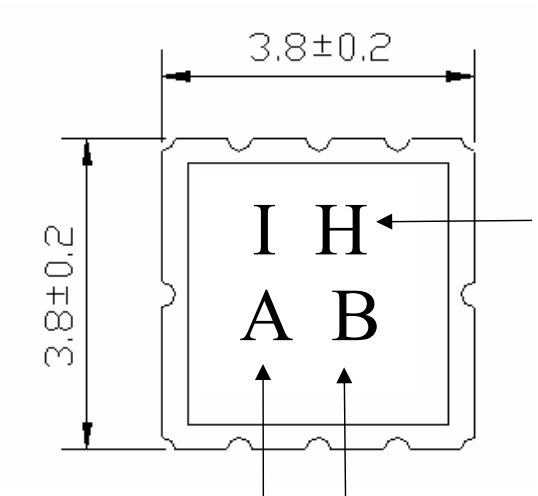
Typical tolerances are ±0.15 mm except where indicated.

Pad Configuration:

Input:	2
Output:	5
Ground:	1, 3, 4, 6

Package Material:
Body: Al_2O_3 ceramic
Lid: *Kovar, Ni* plated
Terminations: *Au* plating 1 µm min, over a 1.3-8.9 µm *Ni* plating

MARKING



Model Identification: IH = SF0915BA02501S

Week Code: A through Z followed by a through z equals 52 weeks.

Year Code: A = 2001, B=2002, C=2003, to J=2010 (Code A through J repeats every 10 years)

ISO 9001
Registered

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