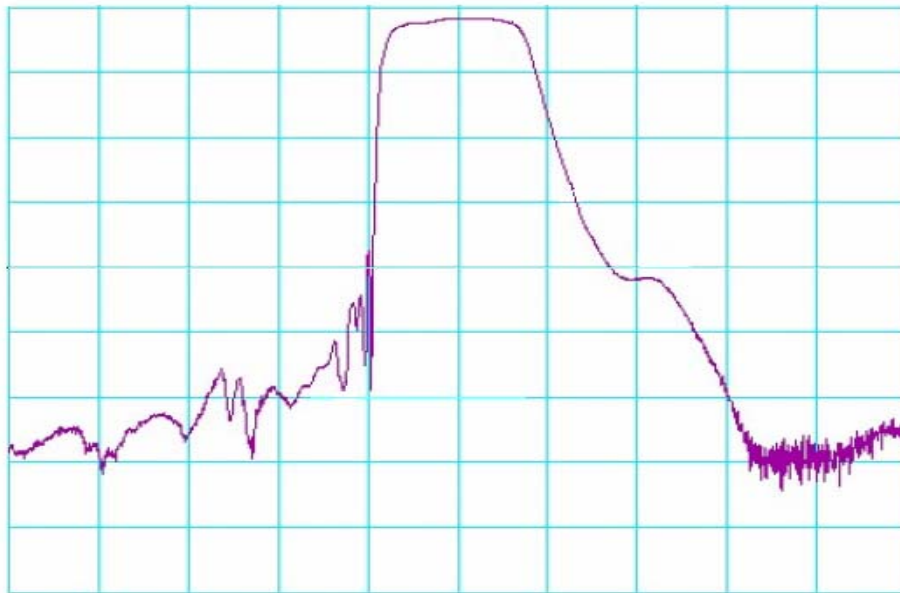




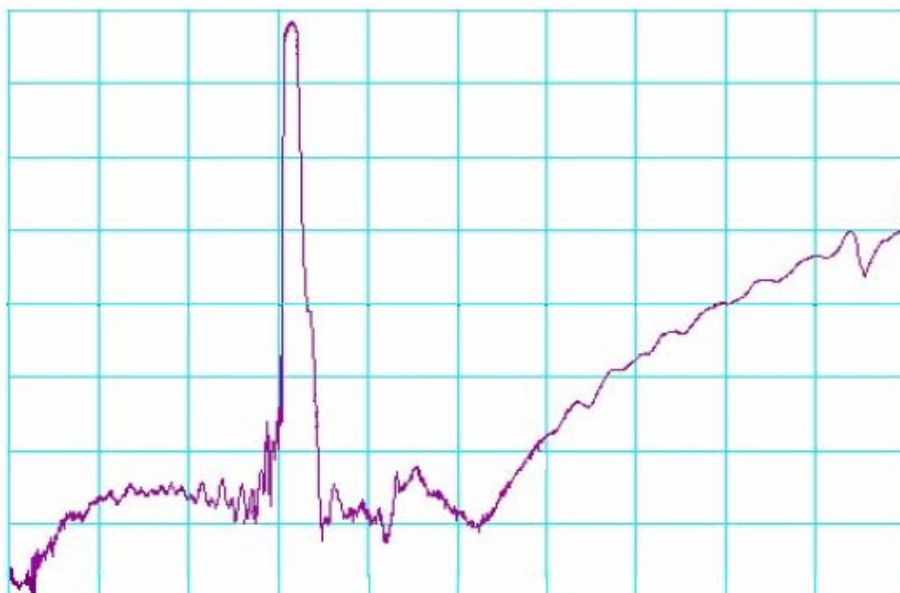
## DESCRIPTION

- 942.5 MHz SAW bandpass filter with 35 MHz bandwidth.
- 3 x 3 mm LCC.
- RoHS compliant.

## TYPICAL PERFORMANCE

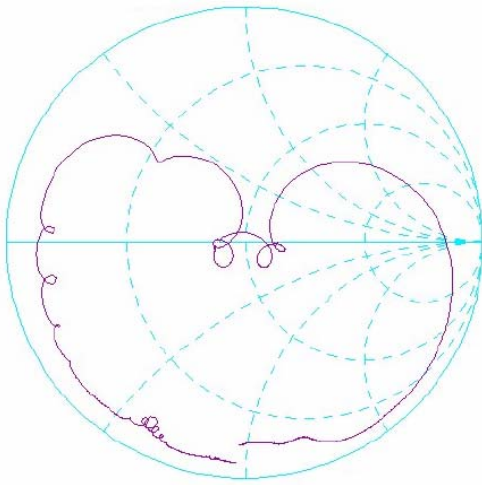


Horizontal: Frequency : 30 MHz/div  
Vertical from Top: Relative Magnitude : 10 dB/div

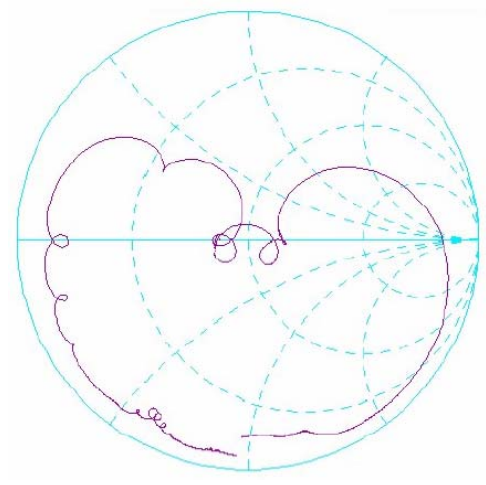


Start 0.3 MHz Stop: 3 GHz  
Vertical from Top: Relative Magnitude : 10 dB/div

**S11 (792.5 to 1092.5 MHz)**



**S22 (792.5 to 1092.5 MHz)**



## SPECIFICATION

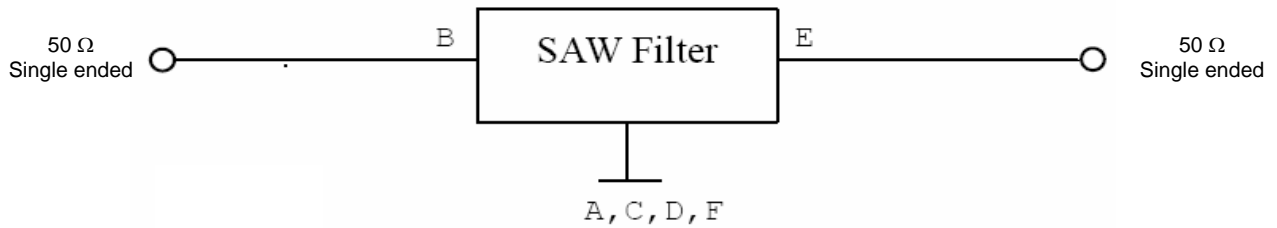
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) <sup>1</sup>	-	942.5	-	MHz
Insertion Loss (925 to 960 MHz)	-	2.8	4	dB
Amplitude Ripple (925 to 960 MHz)	-	1.1	2.3	dB
Attenuation (0.3 to 800 MHz) <sup>2</sup>	50	60	-	dB
Attenuation (800 to 880 MHz) <sup>2</sup>	40	53	-	dB
Attenuation (880 to 905 MHz) <sup>2</sup>	30	47	-	dB
Attenuation (980 to 982 MHz) <sup>2</sup>	16	27	-	dB
Attenuation (982 to 1005 MHz) <sup>2</sup>	23	29	-	dB
Attenuation (1005 to 1025 MHz) <sup>2</sup>	29	41	-	dB
Attenuation (1025 to 1760 MHz) <sup>2</sup>	40	48	-	dB
Attenuation (1760 to 2300 MHz) <sup>2</sup>	30	40	-	dB
Attenuation (2300 to 3000 MHz) <sup>2</sup>	20	28	-	dB
Input VSWR (925 to 960 MHz)	-	1.5	2.1	:1
Output VSWR (925 to 960 MHz)	-	1.5	2.1	:1
Ambient Temperature	-	25	-	°C
System Source and Load Impedance	-	50	-	Ω

- Notes: 1. Average of lower & upper 3 dB frequencies.  
2. Reference level from 0 dB.

## MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-20	85	°C
Input Power Level	-	15	dBm
DC Voltage	-	3	V

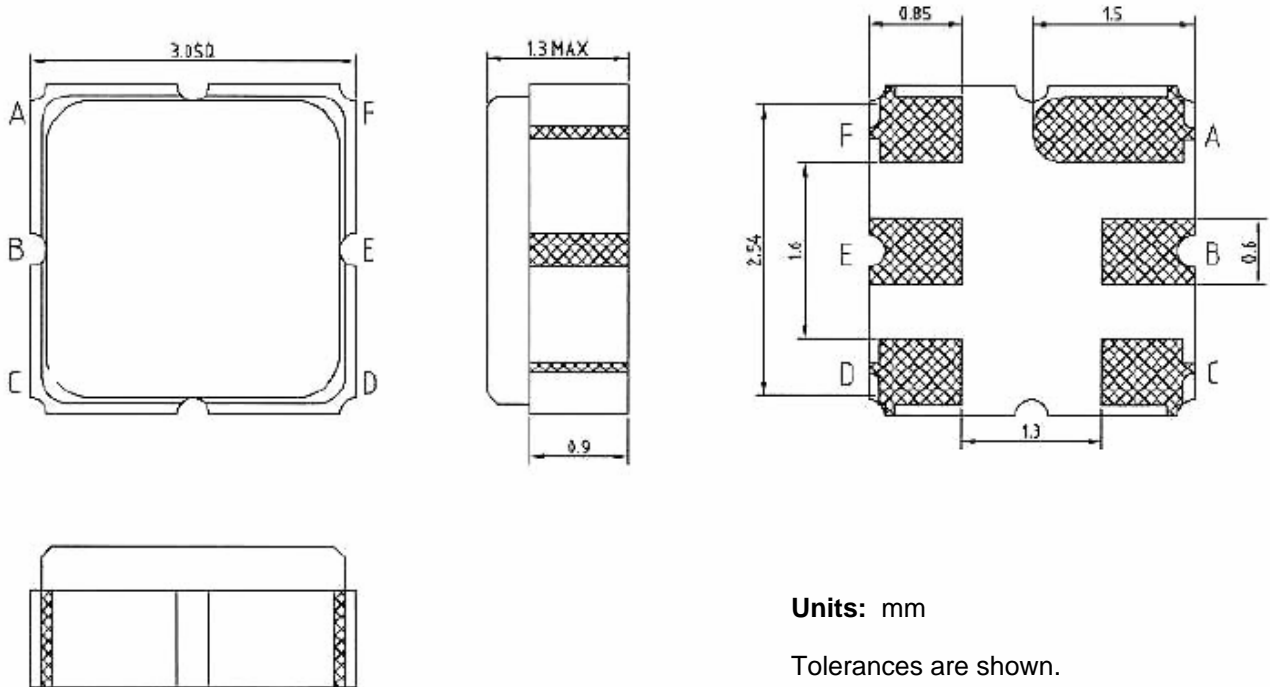
**MATCHING CIRCUIT**



**Notes:**

- External matching components are not required.

**PACKAGE OUTLINE**



**Units:** mm

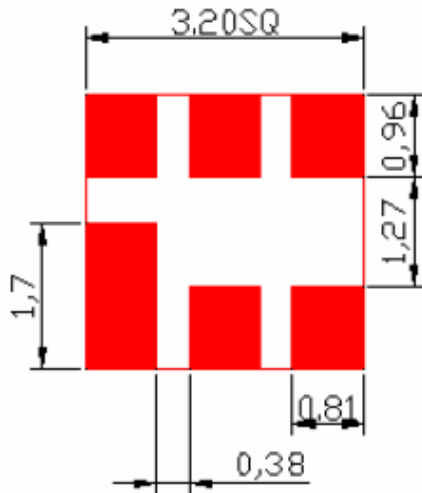
Tolerances are shown.

**Pad Configuration:**

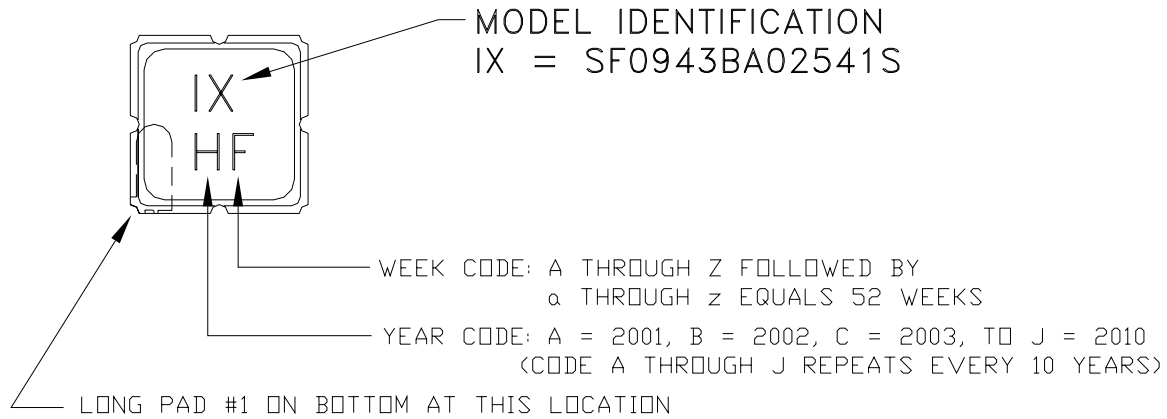
Input	B
Output	E
Ground	A,C,D,F

Package Material:  
 Body:  $Al_2O_3$  ceramic  
 Lid: Kovar, Ni plated  
 Terminations: Au plating 1  $\mu$ m  
 min, over a 1.3-8.9  $\mu$ m Ni  
 plating

**SUGGESTED FOOTPRINT**



**MARKING**



ISO 9001  
Registered

All specifications are believed to be accurate and reliable. However, MNC reserves the right to make changes without notice.  
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