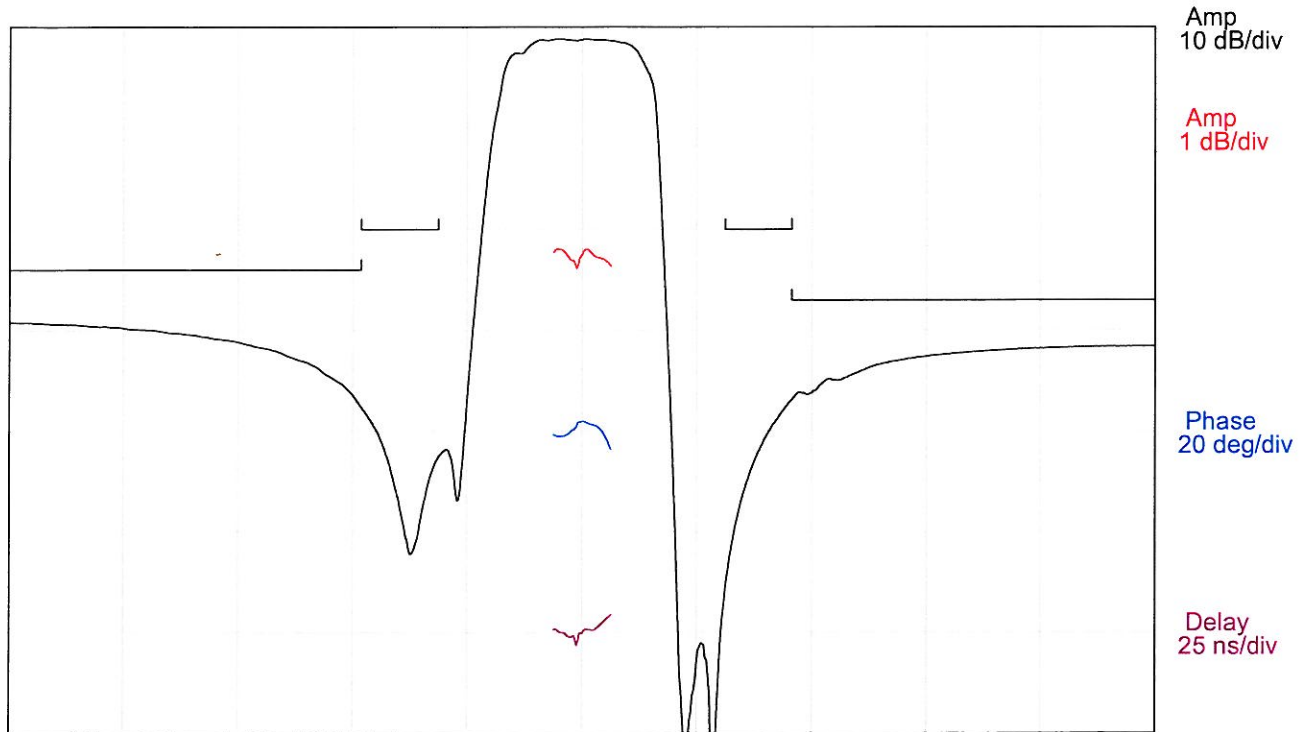


DESCRIPTION

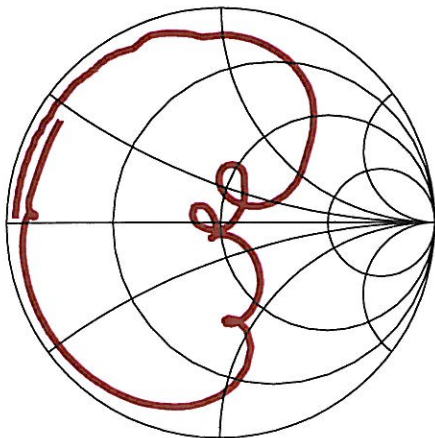
- 1227 MHz SAW bandpass filter with 20 MHz bandwidth.
- 3 x 3 mm ceramic LCC package, 6 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

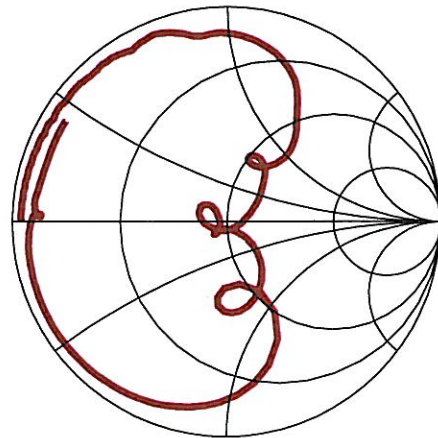


Center = 1227 MHz, 40 MHz/div (500 kHz incr)

S11 (1027-1427 MHz)



S22 (1027-1427 MHz)



SPECIFICATION

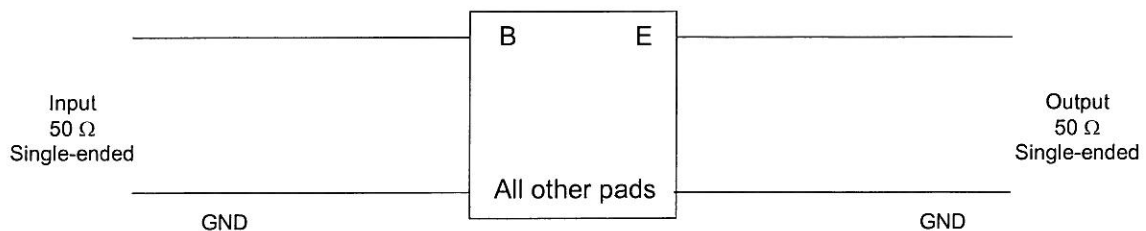
Parameter	Min	Typ	Max	Units
Center Frequency, F_c^1	-	1227	-	MHz
Insertion Loss (1217 to 1237 MHz), IL	-	1.3	2.2	dB
Amplitude Ripple (1217 to 1237 MHz)	-	0.4	2.0	dB
Attenuation (D.C. to 450 MHz) ²	28	32	-	dB
Attenuation (450 to 1150 MHz) ²	24	27	-	dB
Attenuation (1150 to 1177 MHz) ²	20	37	-	dB
Attenuation (1277 to 1300 MHz) ²	20	35	-	dB
Attenuation (1300 to 2000 MHz) ²	27	31	-	dB
VSWR (1217 to 1237 MHz)	-	1.3	2.0	:1
Source Impedance, Z_s	-	50	-	ohm
Load Impedance, Z_L	-	50	-	ohm

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

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-30	85	°C
Operating Temperature Range	-20	70	°C
Input Power Level	-	+20	dBm
DC Voltage	-	3	Volts

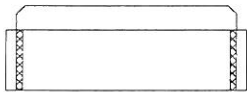
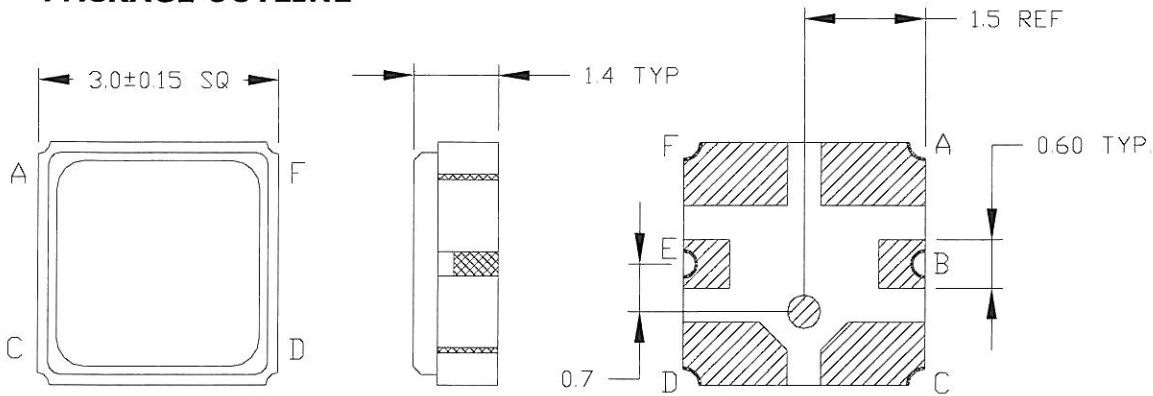
MATCHING CIRCUIT



Notes:

- External matching components are not required.

PACKAGE OUTLINE



Units: mm

Typical tolerances are ± 0.15 mm except where indicated.

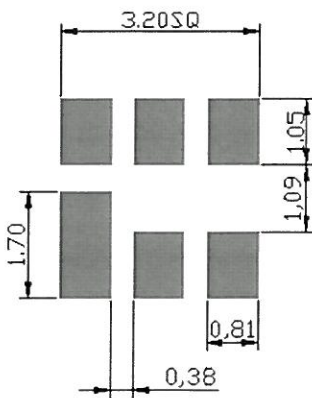
Pad Configuration:

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

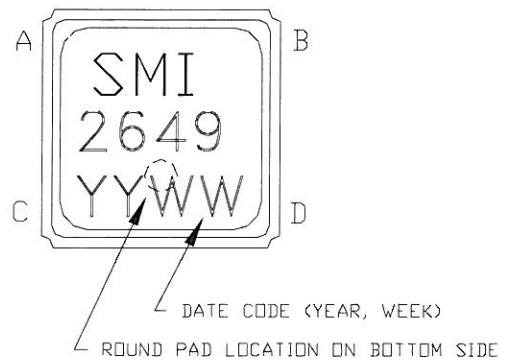
Package Material:

Body: Al_2O_3 ceramic
Lid: Kovar, Ni plated
Terminations: Au plating 1 μ m min, over a 1.3-8.9 μ m Ni plating

SUGGESTED FOOTPRINT



MARKING



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