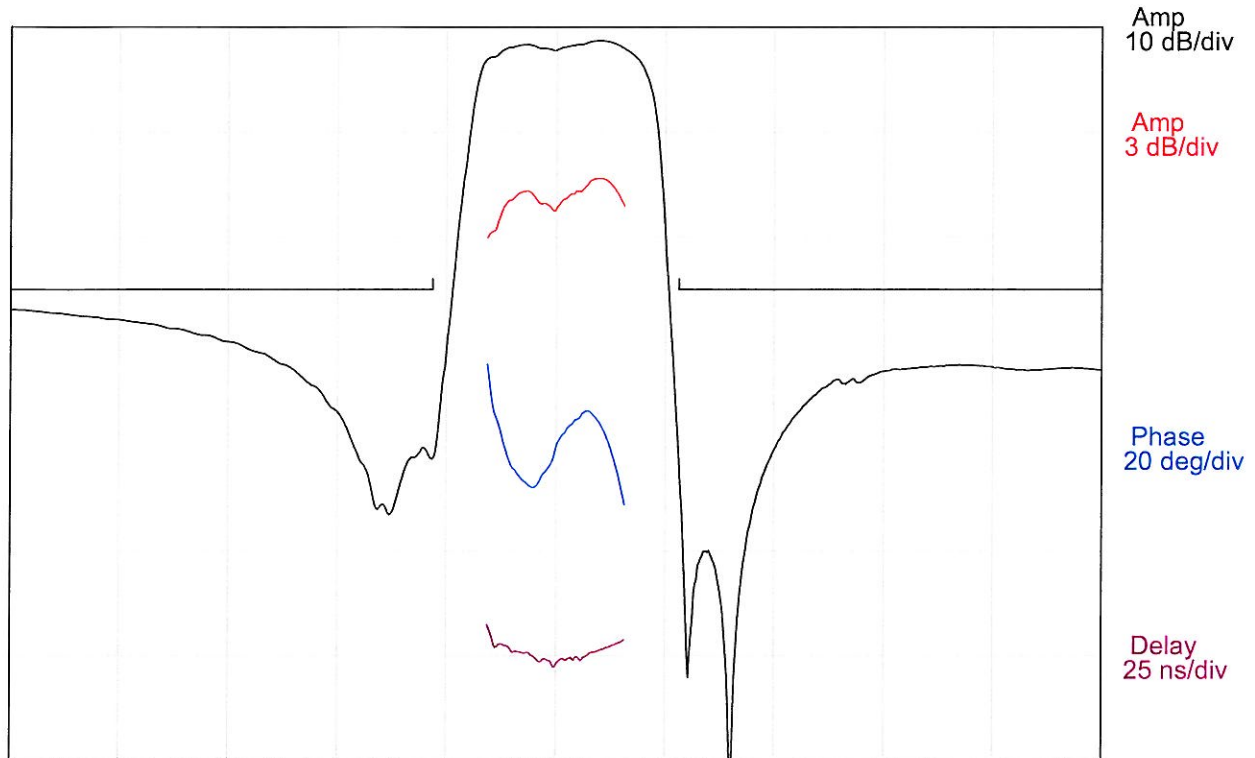


DESCRIPTION

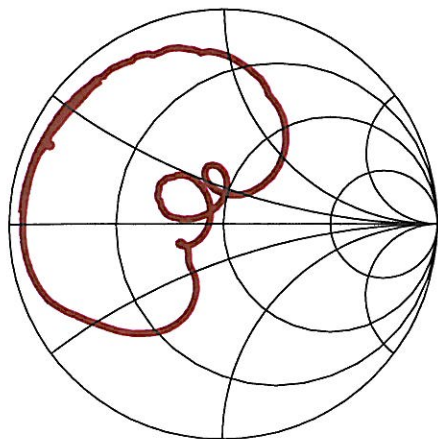
- 2250 MHz SAW bandpass filter with minimum 100 MHz Bandwidth.
- 3 x 3 mm ceramic LCC package, 6 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

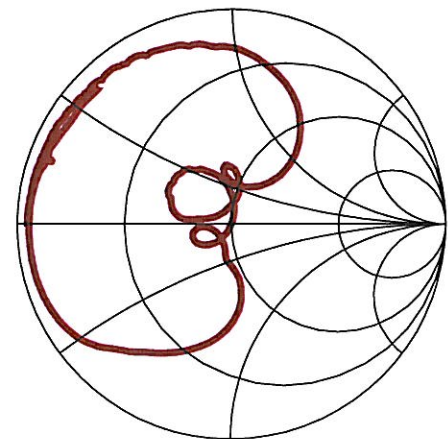


Center = 2250 MHz, 80 MHz/div (1000 kHz incr)

S11 (1850-2650 MHz)



S22 (1850-2650 MHz)



SPECIFICATION

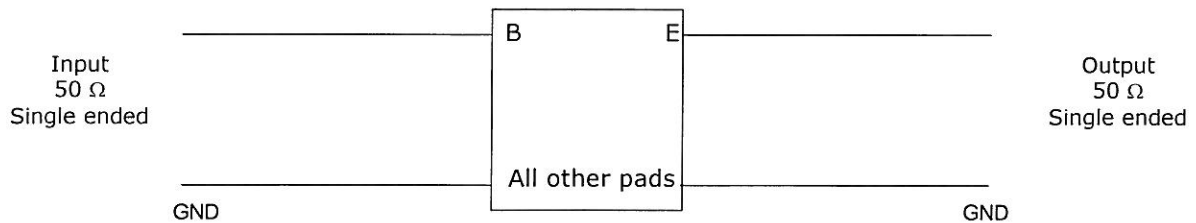
Parameter	Min	Typ	Max	Units
Center Frequency, (F_C) ¹	-	2250	-	MHz
Average Insertion Loss (2200-2300 MHz)	-	2.1	4.5	dB
Amplitude Ripple (2200-2300 MHz)	-	1.8	3	dB p-p
3 dB Passband Bandwidth ²	100	120	-	MHz
Attenuation (DC-2160 MHz) ³	25	27	-	dB
Attenuation (2340-4000 MHz) ³	25	32	-	dB
Input VSWR (2200-2300 MHz)	-	2	2.5	:1
Output VSWR (2200-2300 MHz)	-	2	2.5	:1
Source and Load Impedance	50			ohms
Ambient Temperature (Tref)	-	25	-	°C

- Notes:
1. Reference frequency. Computed as mean of the 3 dB frequencies.
 2. The Passband Bandwidth is referenced to the insertion loss value.
 3. All attenuation levels are referenced to the 0 dB absolute level.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range (T)	-20	70	°C
DC Voltage	-	3	V
Input Power Level	-	10	dBm

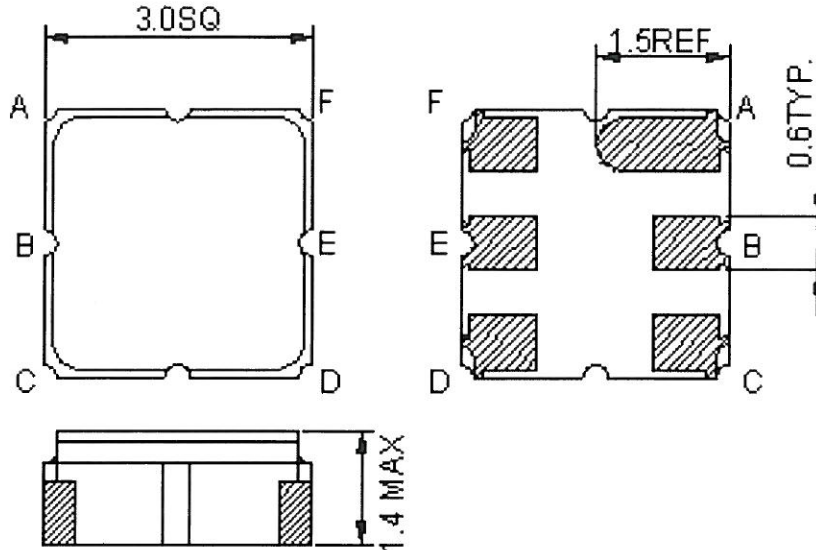
MATCHING CIRCUIT



Notes:

- External matching components are not required.
- Device is to operate in a 50 Ω single-ended system.

PACKAGE OUTLINE



Units: mm

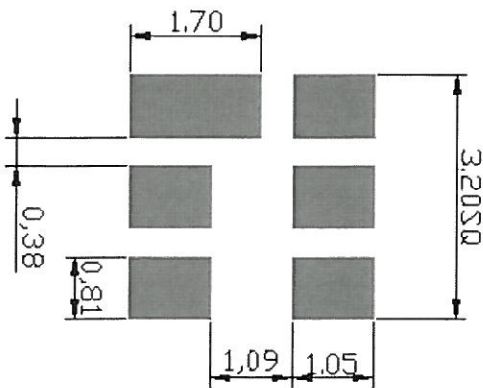
Tolerances are typically ± 0.15 mm except where indicated.

Pad Configuration:

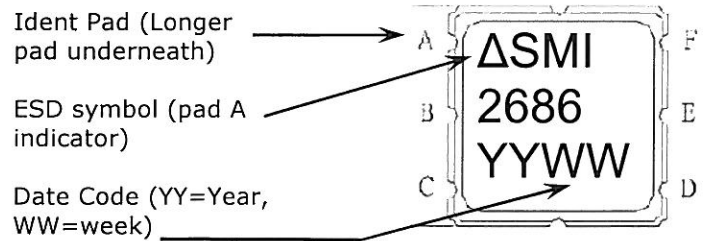
Input: B
Output: E
Ground: All other pads

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



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