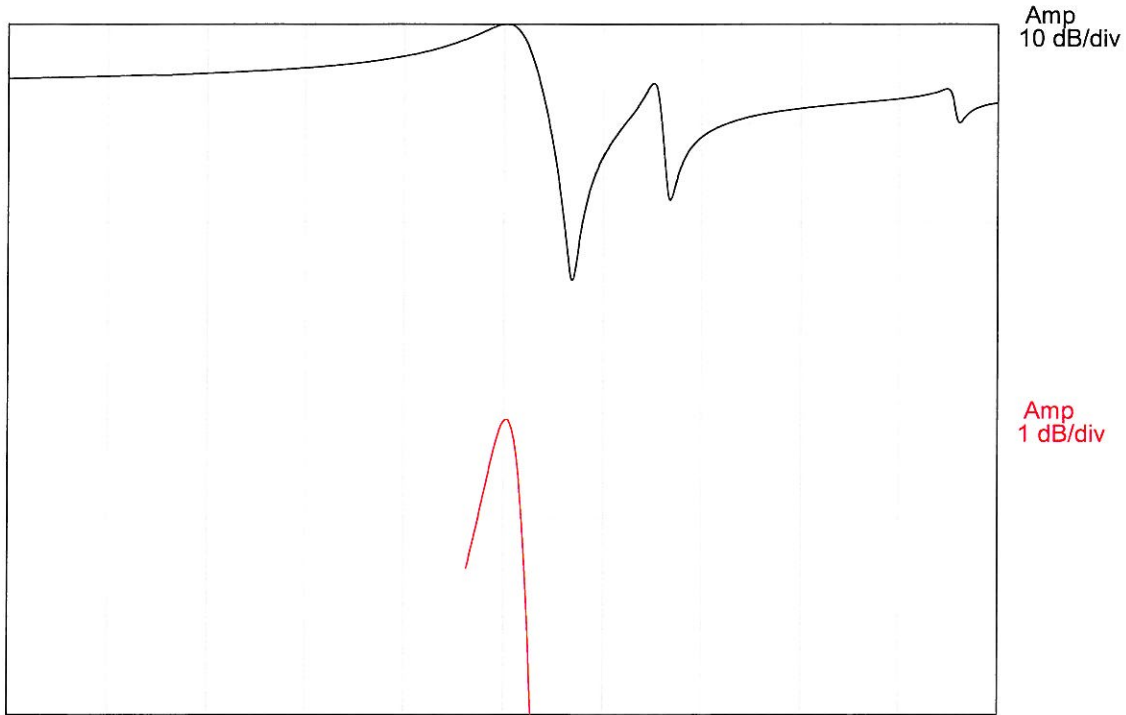


DESCRIPTION

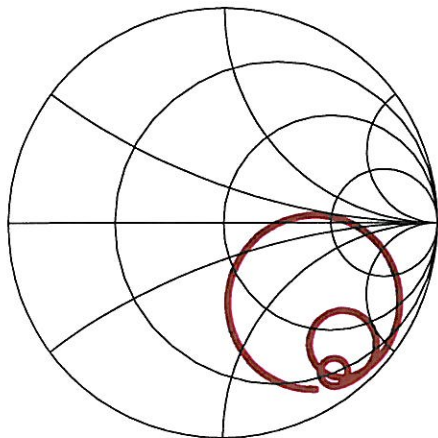
- 320 MHz SAW single port resonator.
- 3 X 3 mm ceramic LCC package, 6 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

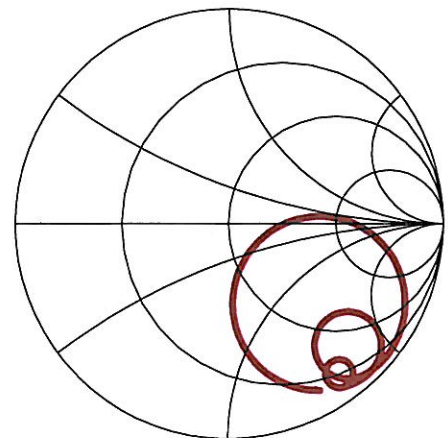


Center = 320 MHz, 0.2 MHz/div (1.3 kHz incr)

S11 (319-321 MHz)



S22 (319-321 MHz)





SPECIFICATION

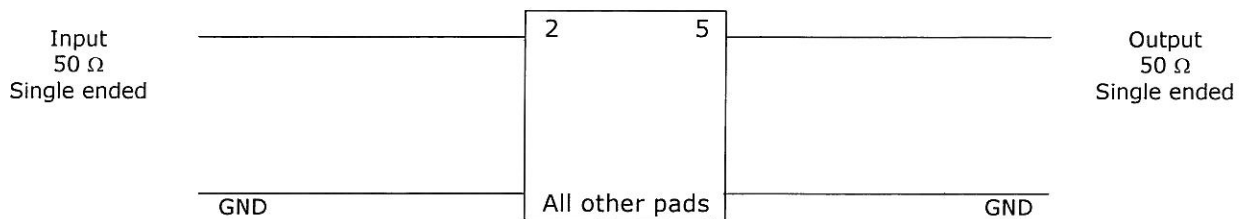
Parameter	Min	Typ	Max	Units
Center Frequency, F_c ¹	319.925	320	320.075	MHz
Minimum Insertion Loss ²	-	1.5	2.4	dB
3 dB Bandwidth	-	0.23	-	MHz
Unloaded Q	-	8200	-	-
Loaded Q	-	1350	-	-
DC Insulation Resistance between any two pads	1.0	-	-	MΩ
Turnover Temperature	-	25	-	°C
Temperature Coefficient of Frequency	-0.032			ppm/°C ²
Ambient Temperature	25			°C
Source and Load Impedance	50			Ω

Notes: 1. Reference frequency. Computed as mean of the 3 dB frequencies.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	125	°C
Operating temperature Range	-40	85	°C
Input Power Level	-	+10	dBm

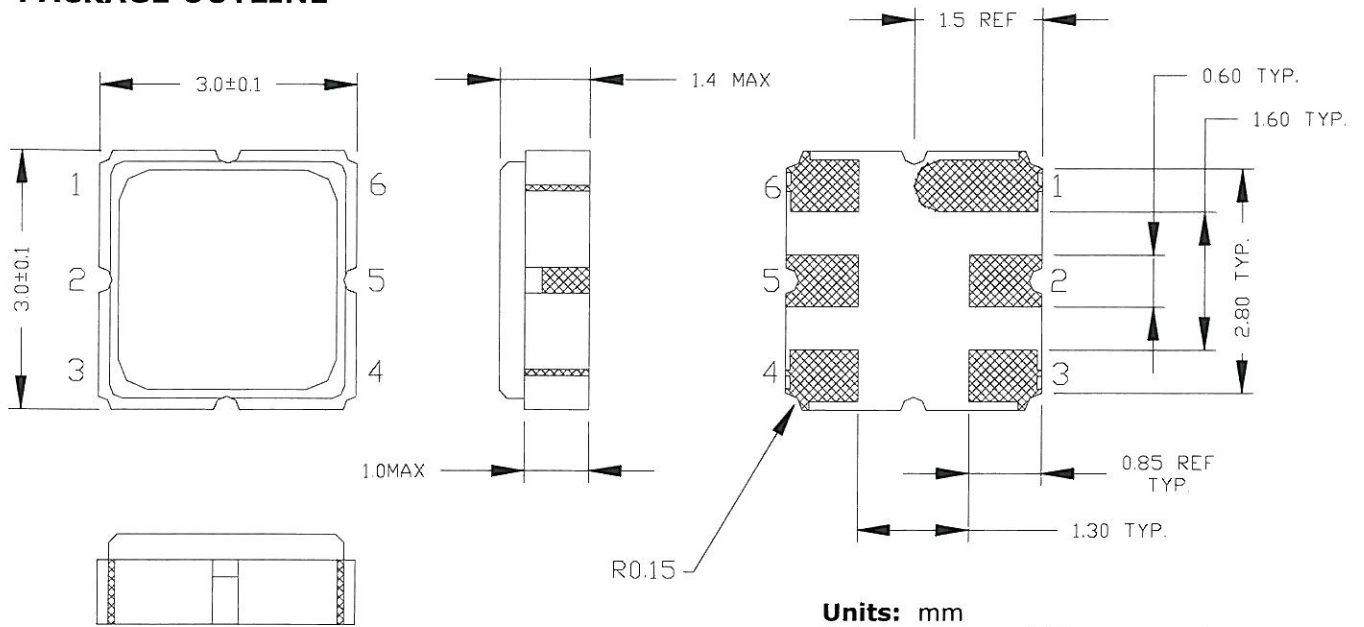
MATCHING CIRCUIT



Notes:

- 1) No external matching components are necessary.
- 2) Input and output are to operate in a single-ended 50Ω impedance system.

PACKAGE OUTLINE



Package Material:

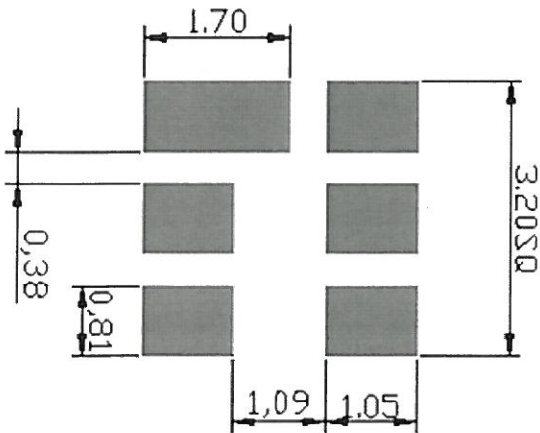
Body: Al_2O_3 ceramic
Lid: Kovar, Ni plated
Terminations: Au plating 1 μ m min,
over a 1.3-8.9 μ m Ni plating

Units: mm
Tolerances are ± 0.15 mm except
where indicated.

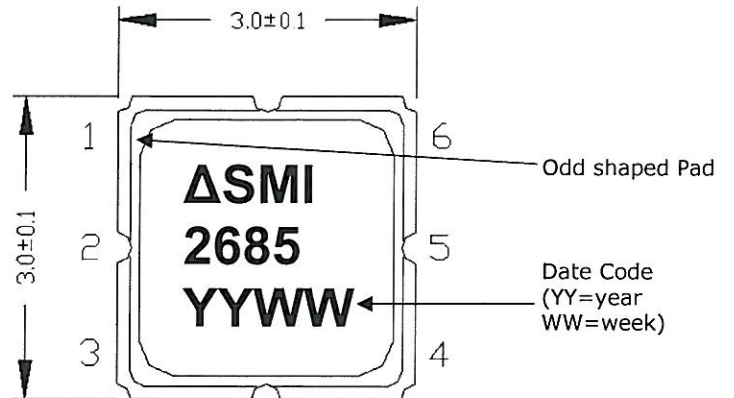
Pad Configuration:

Input: 2
Output: 5
Ground: All other pads

SUGGESTED FOOTPRINT



MARKING



ISO 9001
Registered

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