

- 1285 MHz Filter with 10 MHz Bandwidth
- 3.8 x 3.8 mm Ceramic LCC Package, 6 Pads
- RoHS compliant

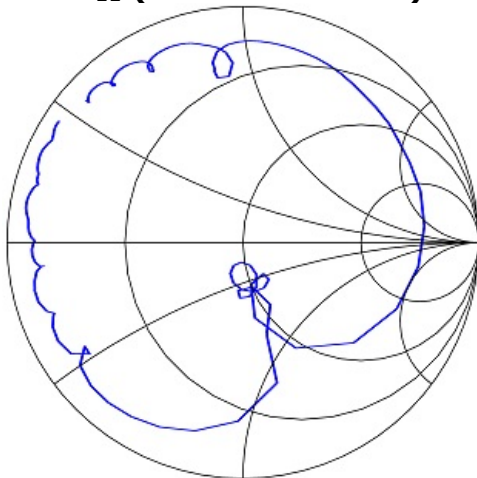
TYPICAL PERFORMANCE

SIMULATION

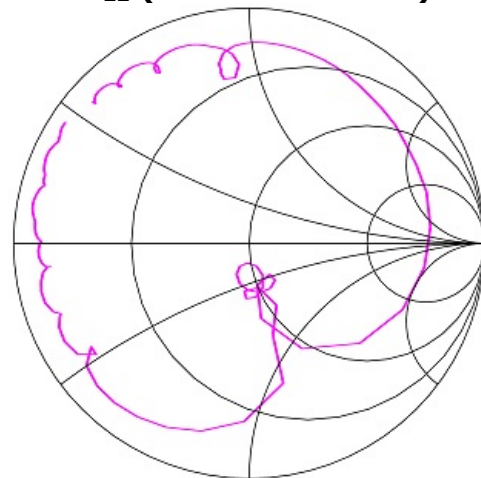


Center = 1285 MHz, 20 MHz/div (1000 kHz incr)

S₁₁ (1185-1385 MHz)



S₂₂ (1185-1385 MHz)



Parameter	Min	Type	Max	Units
Minimum Insertion Loss	---	2.9	4	dB
Maximum In Band Insertion Loss	---	3.5	4	dB
Device Delay	---	0.056	---	µsec
Amplitude Ripple (1280-1290 MHz)	---	0.58	1	dB p-p
1 dB Bandwidth	10	13.45	---	MHz
Amplitude Limit Template ¹	---	0.47	---	dB
Group Delay Ripple (1280-1290 MHz)	---	10	30	ns p-p
Attenuation (10-1270 MHz) ¹	24	26	---	dB
Attenuation (1300-2000 MHz) ¹	30	40	---	dB
Input Return Loss (1280-1290 MHz) ²	10	13.4	---	dB
Output Return Loss (1280-1290 MHz) ²	10	13.4	---	dB
Material Temperature Coefficient	-40			ppm/°C
Source and Load Impedance	50			ohms
Ambient Temperature	25			°C

Notes: 1. Parameter value is referenced to the 0 dB absolute level.
 2. Part is to operate in a 50 ohm single-ended system.

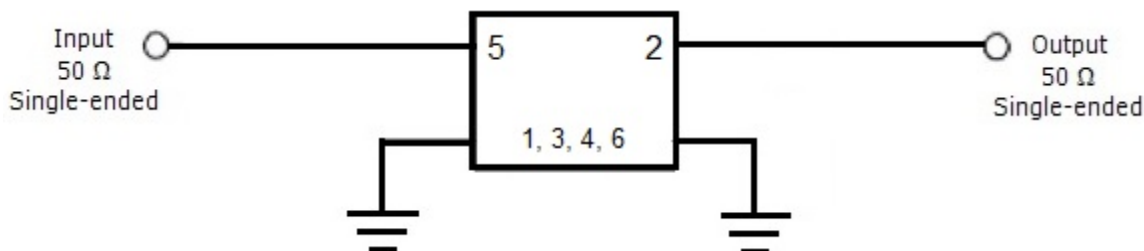
MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Input Power Level	---	+24 **	dBm

** - To be verified

SIMULATION

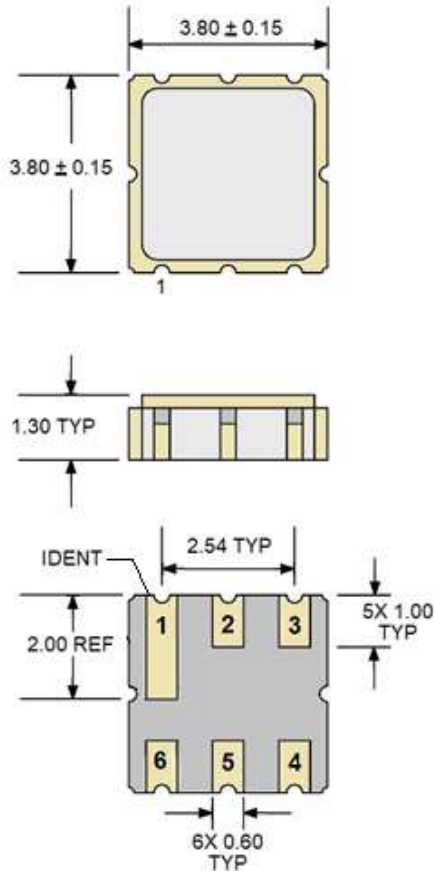
CIRCUIT



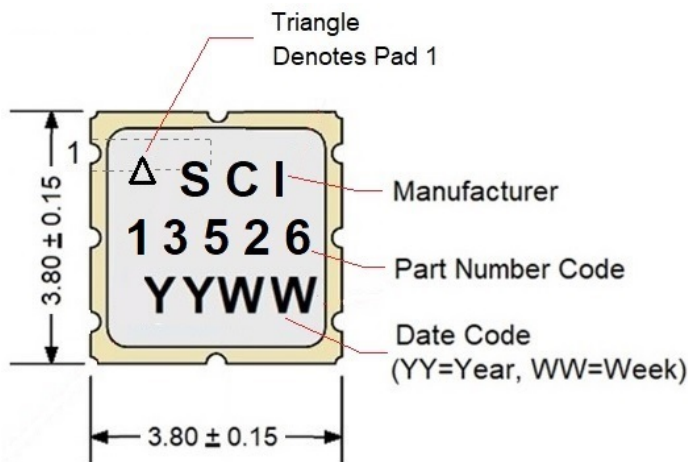
Notes:

- 1) Matching components are not required.
- 2) Recommended operation is in a 50 ohm system.

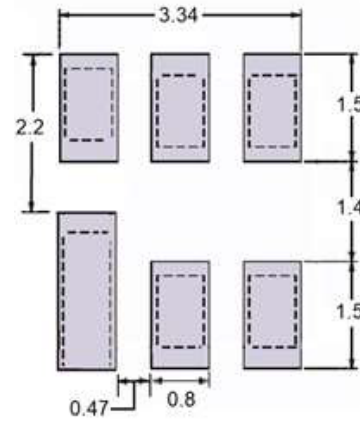
PACKAGE OUTLINE



MARKING



SUGGESTED FOOTPRINT



Units: mm

Typical tolerances are ± 0.15 mm except where indicated.

Pad Configuration:

- Input: 5
- Output: 2
- 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

SIMULATION

