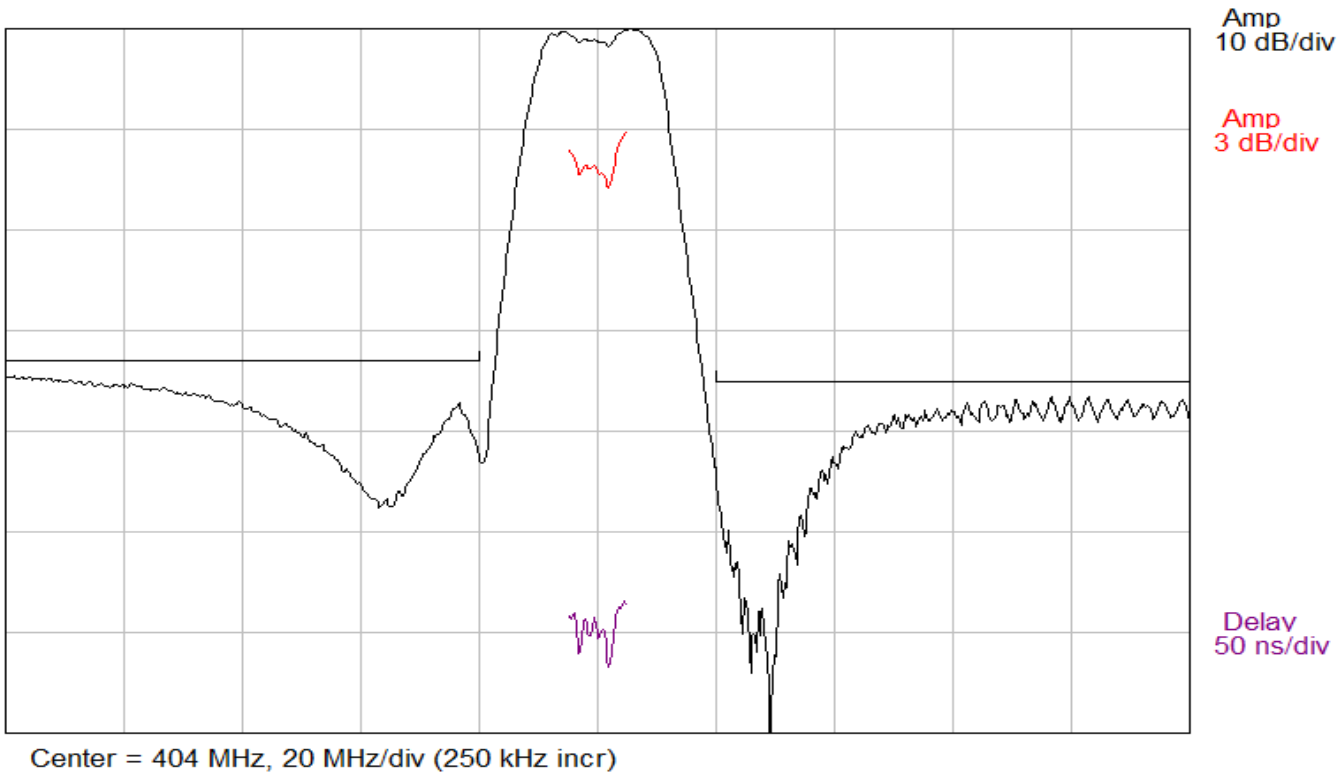
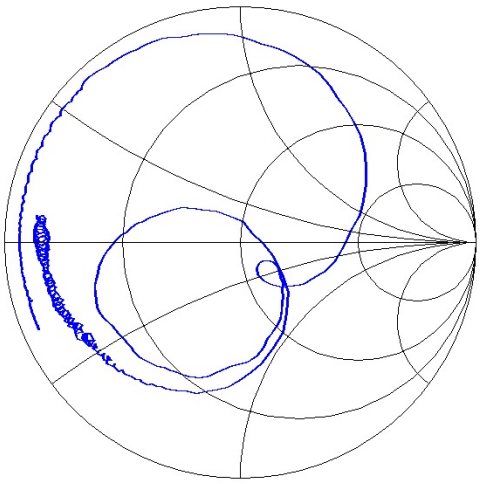
- 404 MHz Filter with 12 MHz Bandwidth
- 3.8 x 3.8 mm Ceramic LCC Package, 6 Pads
- RoHS compliant

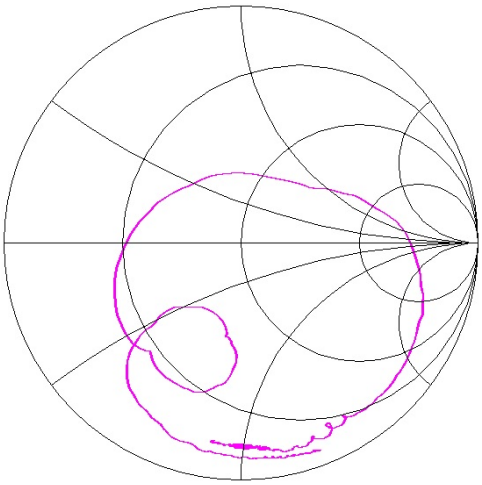
TYPICAL PERFORMANCE



S_{11} (304-504 MHz)



S_{22} (304-504 MHz)



sales@am.spectrumcontrol.com
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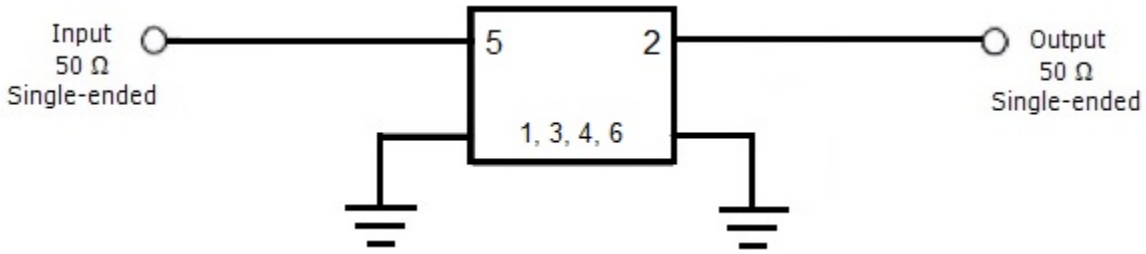
Parameter	Min	Type	Max	Units
Insertion Loss	---	4.0	4.4	dB
Device Delay	---	0.033	---	µsec
Center frequency (FC, 3dB)[1]	---	404.11	---	MHz
3 dB Bandwidth[1]	12	19.91	---	MHz
Lower 3 dB Frequency[1]	---	394.15	398	MHz
Upper 3 dB Frequency[1]	410	414.06	---	MHz
35 dB Bandwidth[1]	---	35.51	---	MHz
Lower 35 dB Frequency[1]	384	386.19	---	MHz
Upper 35 dB Frequency[1]	---	421.70	424	MHz
mplitude Ripple (399-409 MHz)	---	1.65	3	dB p-p
Rejection (306-393 MHz)[1]	33	35	---	dB
Rejection (418-506 MHz)[1]	35	37	---	dB
Input Return Loss (399-409 MHz)[2]	---	5.1	---	dB
Output Return Loss (399-409 MHz)[2]	---	4.9	---	dB
Material Temperature Coefficient	-50			ppm/˚C
Source and Load Impedance	50			ohms
mbient Temperature	25			˚C

Notes: 1. Parameter value is referenced to the insertion loss value.
2. Part is to operate in a 50 ohm single-ended system.

MAXIMUM RATINGS

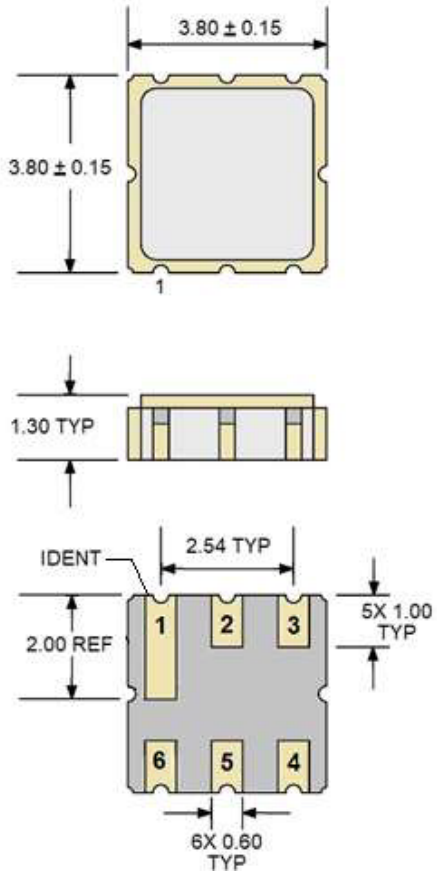
Parameter	Min	Max	Units
Storage Temperature Range	-55	125	˚C
Input Power Level	-	+30	dBm

CIRCUIT

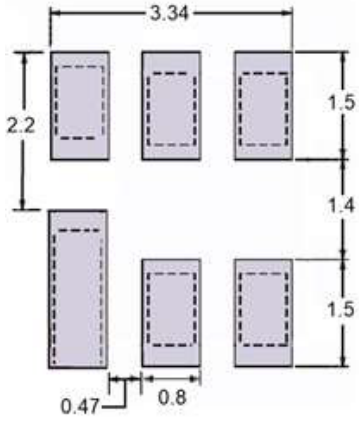


Notes:
1) Matching components are not required.
2) Recommended operation is in a 50 ohm system.

PACKAGE OUTLINE



SUGGESTED FOOTPRINT



Units: mm

Typical tolerances are ±0.15 mm except where indicated.

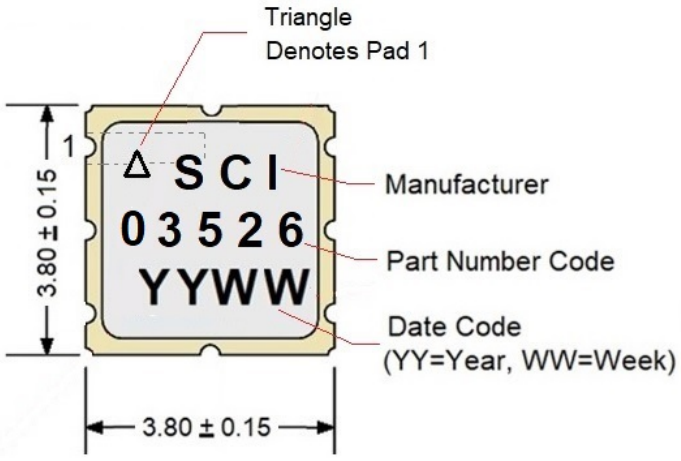
Pad Configuration:

Input:	5
Output:	2
Ground:	All other pads

Package Material:

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

MARKING



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sales@am.spectrumcontrol.com
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