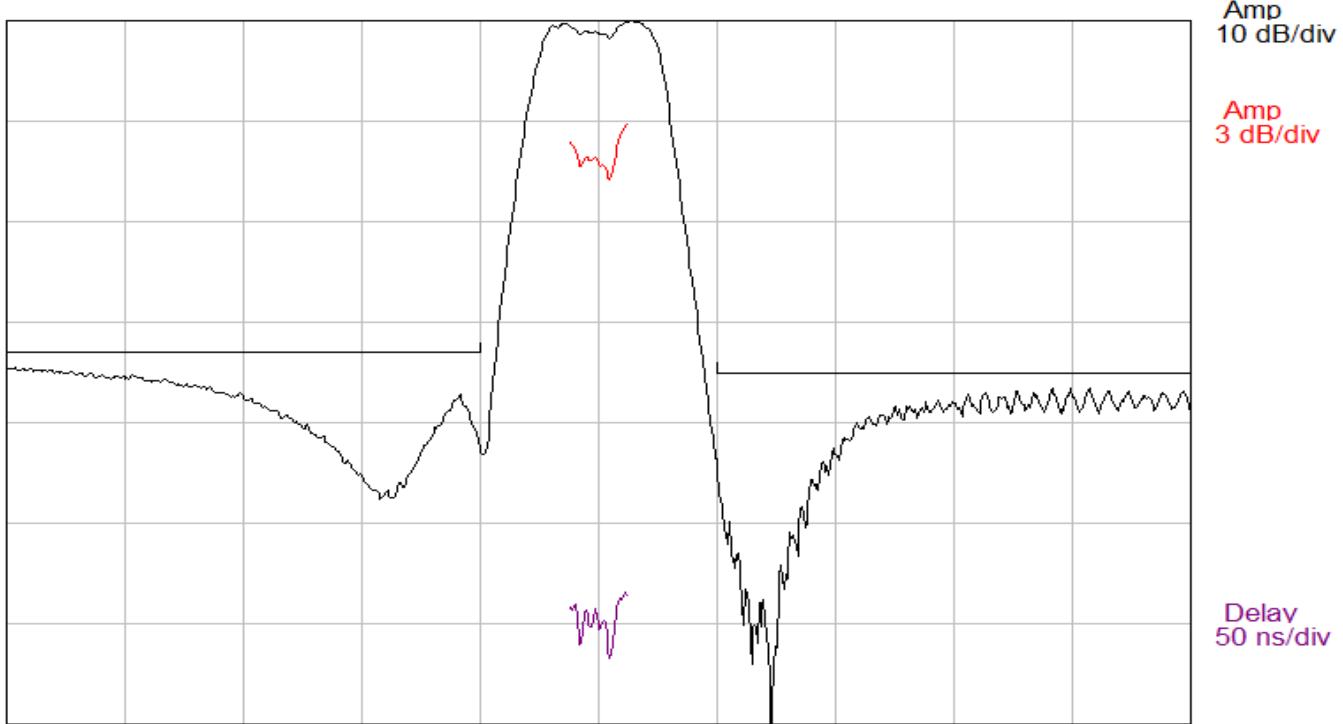


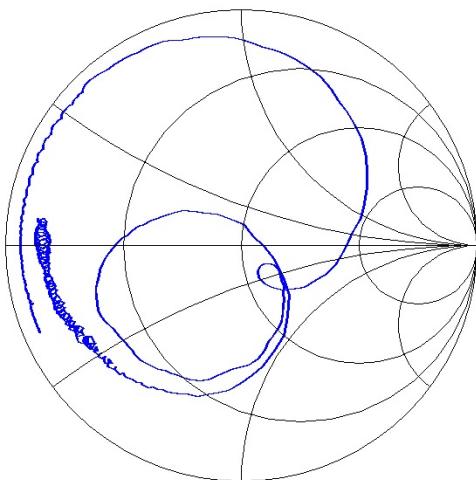
DESCRIPTION

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

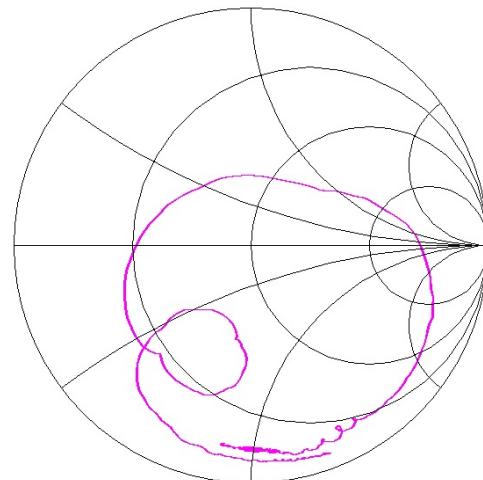
TYPICAL PERFORMANCE



S₁₁ (304-504 MHz)



S₂₂ (304-504 MHz)



SPECIFICATION

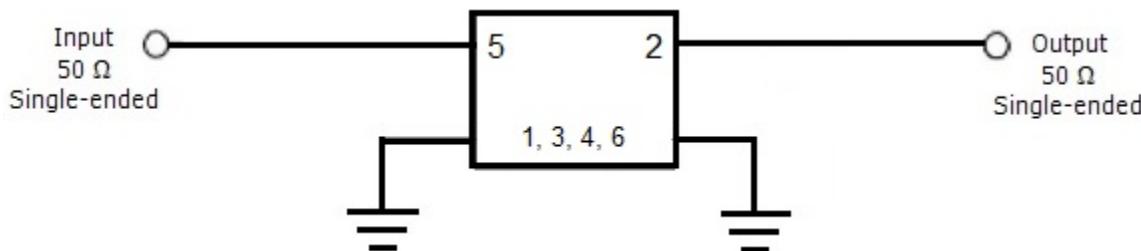
Parameter	Min	Type	Max	Units
Insertion Loss	---	4.0	4.4	dB
Device Delay	---	0.033	---	μsec
Center frequency (FC, 3dB) ¹	---	404.11	---	MHz
3 dB Bandwidth ¹	12	19.91	---	MHz
Lower 3 dB Frequency ¹	---	394.15	398	MHz
Upper 3 dB Frequency ¹	410	414.06	---	MHz
35 dB Bandwidth ¹	---	35.51	---	MHz
Lower 35 dB Frequency ¹	384	386.19	---	MHz
Upper 35 dB Frequency ¹	---	421.70	424	MHz
Amplitude 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
Ambient 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

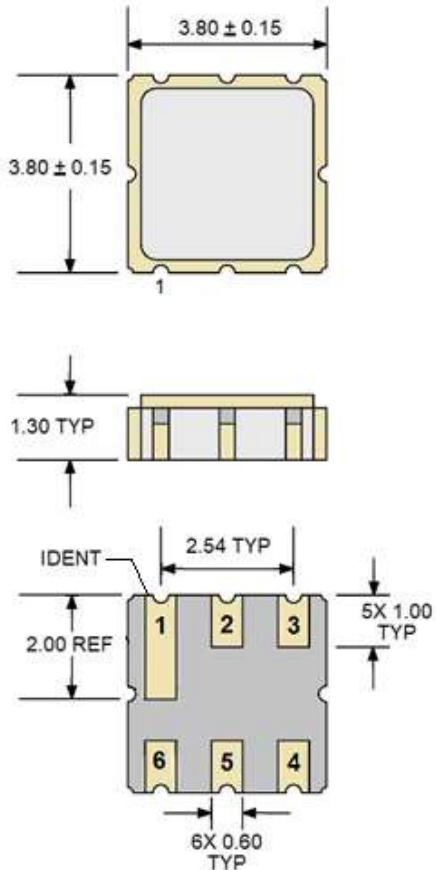


Notes:

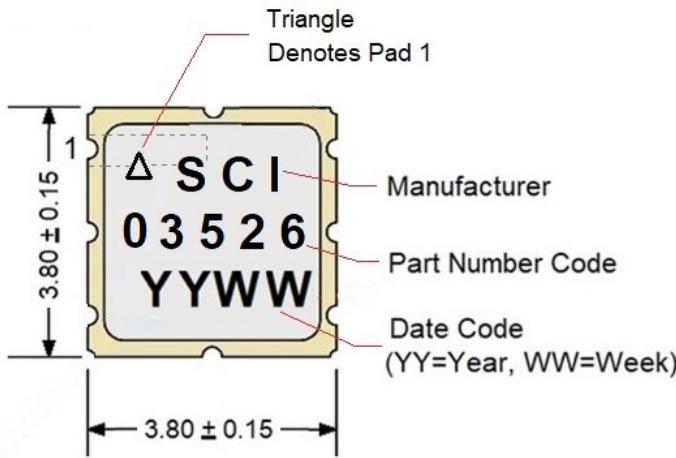
- 1) Matching components are not required.
- 2) Recommended operation is in a 50 ohm system.

HIGH POWER SAW FILTER

PACKAGE OUTLINE



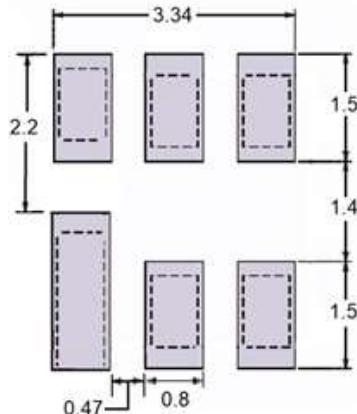
MARKING



**ISO 9001
Registered**

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