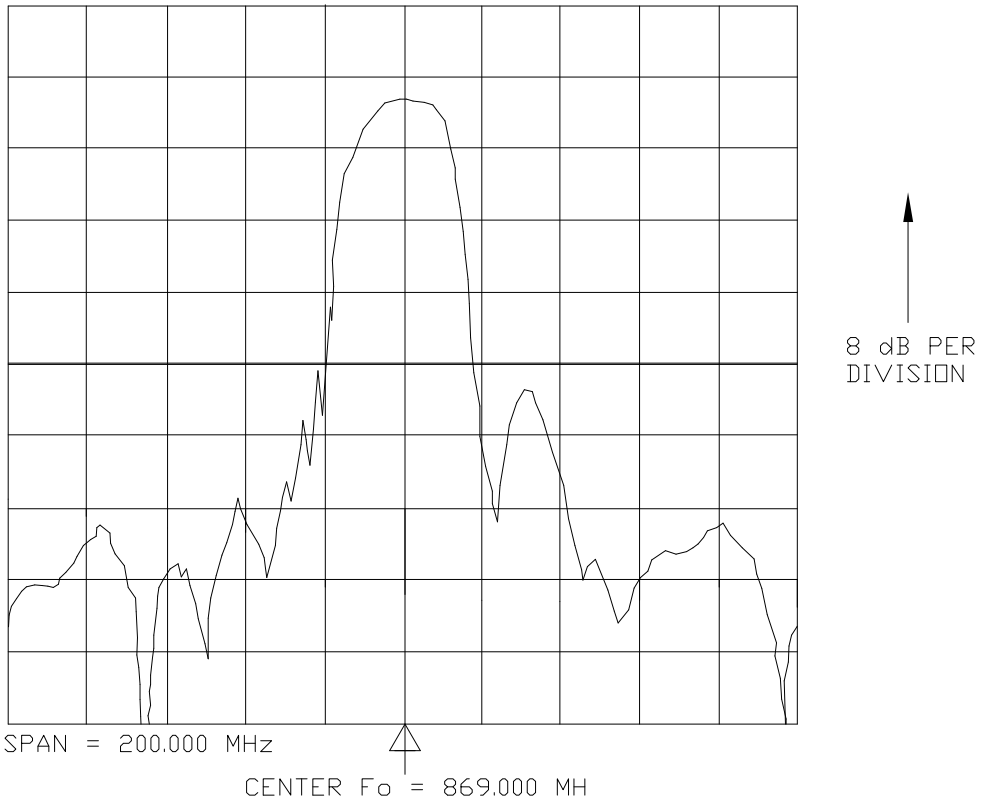
DESCRIPTION

- Miniature 869 MHz SAW IF Filter with 2 MHz bandwidth.
- 3 x 3 mm Ceramic LCC package, 6 pads.
- RoHS compliant

TYPICAL PERFORMANCE



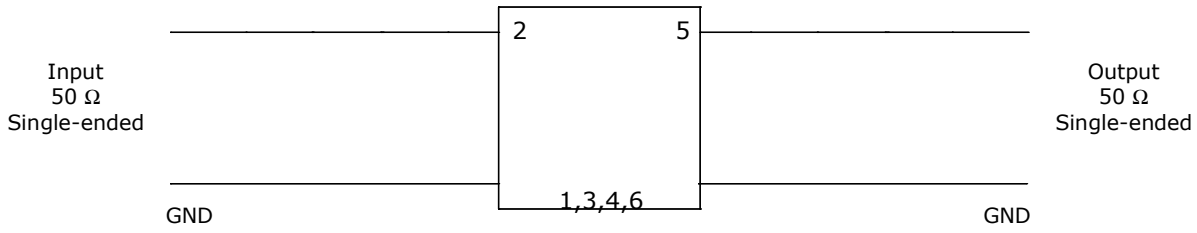
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency F_C	-	869	-	MHz
Insertion Loss (868 – 870 MHz)	-	3.0	4.2	dB
Amplitude Ripple (868 - 870 MHz)	-	0.2	1.5	dB p-p
Attenuation (Referenced to 0 dB level)				
825 - 828 MHz	40	47	-	dB
835 – 842 MHz	30	39	-	dB
891 - 894 MHz	30	42	-	dB
910 – 913 MHz	40	47	-	dB
Terminating Impedance		50		Ω

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	ºC
Operating Temperature Range	-40	85	ºC
Input Power Level	-	+17	dBm
DC Voltage		3	V

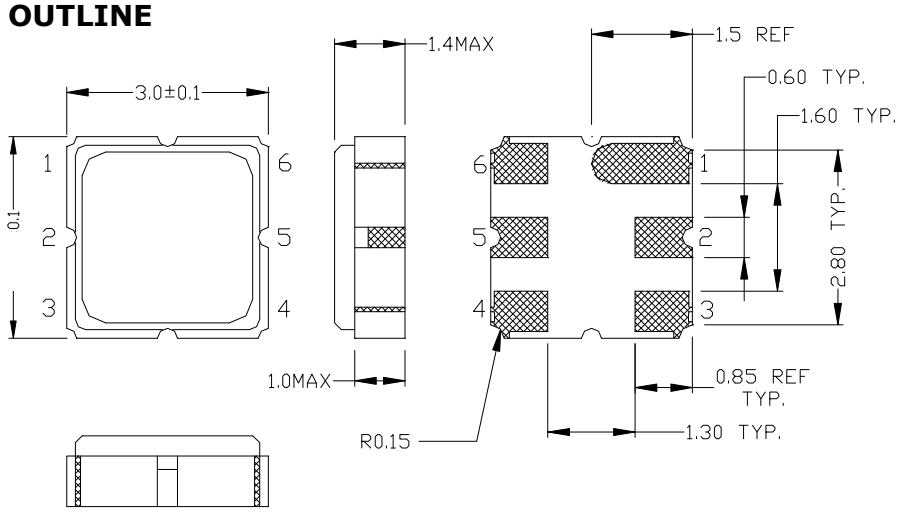
MATCHING CIRCUIT



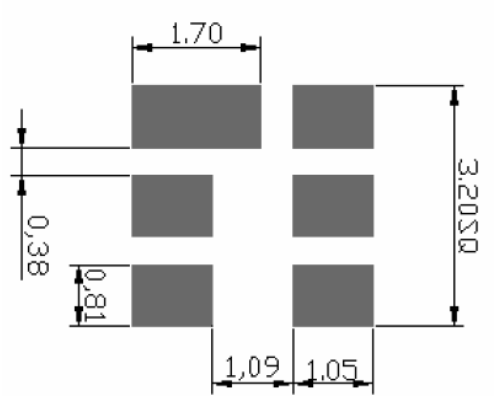
Notes:

1. External matching components are not required.

PACKAGE OUTLINE



SUGGESTED FOOTPRINT



Units: mm

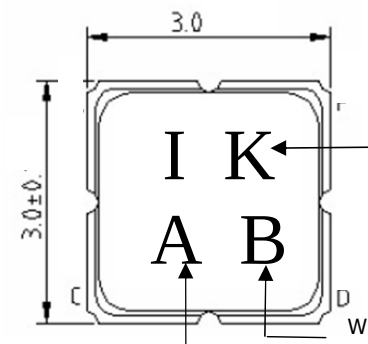
Typical tolerances are ±0.15 mm except where indicated.

Pad Configuration:

Input:	2
Output:	5
Ground:	All other pads

Package Material:
Body: Al_2O_3 ceramic
Lid: *Kovar, Ni* plated
Terminations: *Au* plating 1 µm min, over a 1.3-8.9 µm *Ni* plating

MARKING



Model Identification:
IK = SF0869BA02618S

Week Code: A through Z followed by a through z equals 52 weeks.

Year Code: A = 2001, B=2002, C=2003, to J=2010
(Code A through J repeats every 10 years)

ISO 9001 Registered

All specifications are believed to be accurate and reliable. However, Spectrum Microwave reserves the right to make changes without notice.
© 2011 All rights reserved.

Spectrum Microwave, Inc.
400 Nickerson Road, Marlborough, MA 01752, USA • Phone 508-251-6400 • Fax 508-251-6401
www.SpectrumMicrowave.com