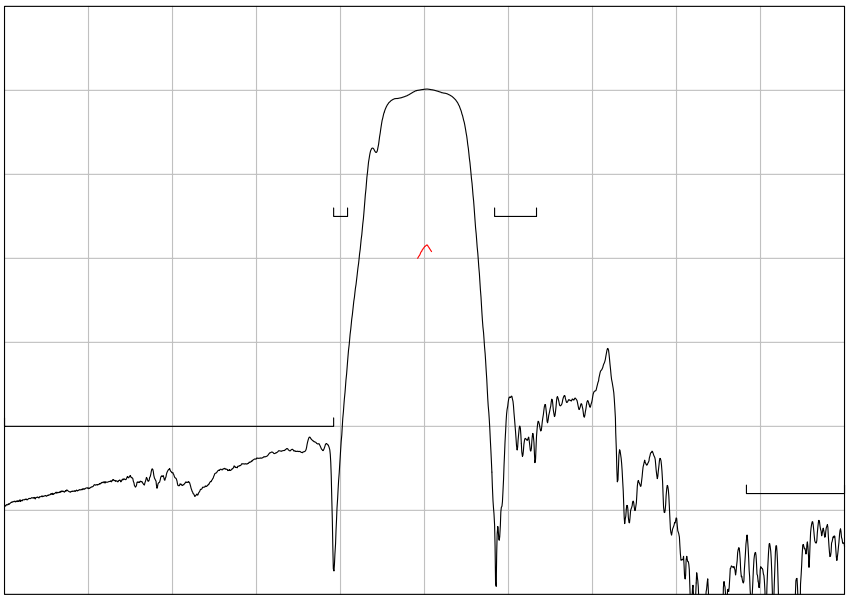
869 MHz SAW Filter
12 MHz Bandwidth
Part Number: SF0869BA02504S

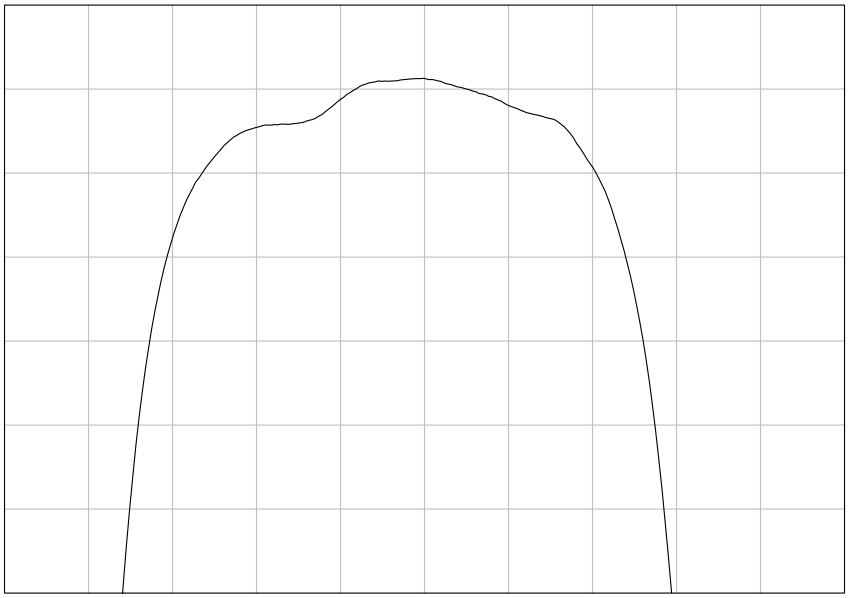
DESCRIPTION

- Miniature 869 MHz with an 12 MHz typical 3dB bandwidth SAW Filter.
- 3 x 3 mm Ceramic LCC package.
- RoHS compliant.

TYPICAL PERFORMANCE



Center = 869 MHz, 12 MHz/div (75 kHz incr)



Center = 869 MHz, 2 MHz/div (75 kHz incr)

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SPECIFICATION

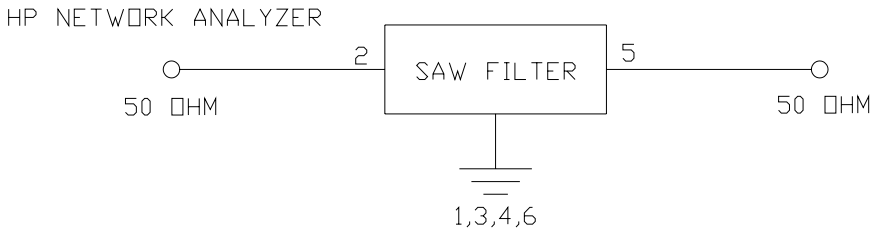
Parameter	Min	Typ	Max	Units
Center Frequency F_C	-	869	-	MHz
Bandwidth	3	-	-	MHz
Insertion Loss (868 - 870 MHz)	-	-	4.0	dB
Ripple Deviation (868 - 870 MHz)	-	-	1.8	dB
Rejection[1]				
DC to 300 MHz	45	-	-	dB
300 to 856 MHz	40	-	-	dB
856 to 858 MHz	15	-	-	dB
879 to 885 MHz	15	-	-	dB
885 to 915 MHz	30	-	-	dB
915 to 929 MHz	48	-	-	dB
929 to 1500 MHz	39	-	-	dB
Input/Output Impedance		50		Ω// 0nF
Temp Coefficient of Frequency		-31		ppm/K

Note 1 Rejection levels are referenced to 0 dB.

MAXIMUM RATINGS

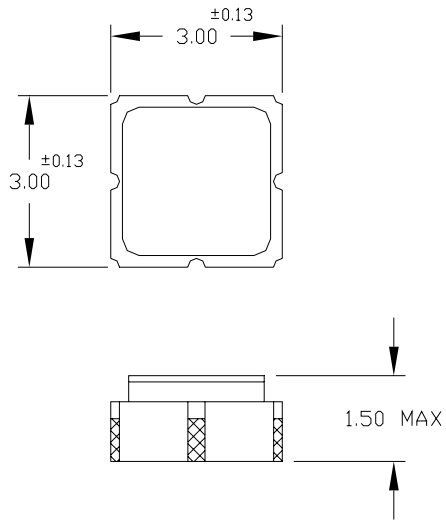
Parameter	Min	Max	Units
Storage Temperature Range	-40	+85	ºC
Operating Temperature Range	-30	+85	ºC
Input Power Level	-	+27	dBm
D.C. Voltage	-	10	Vdc

MATCHING CIRCUIT

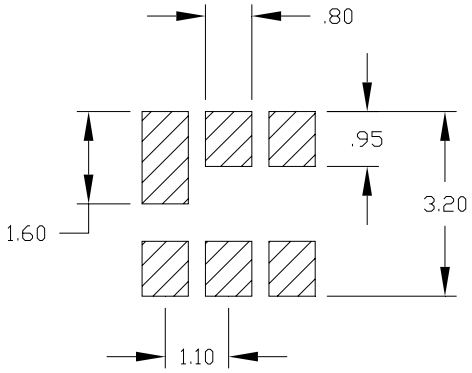


Matching components are not required.

PACKAGE OUTLINE



SUGGESTED FOOTPRINT



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

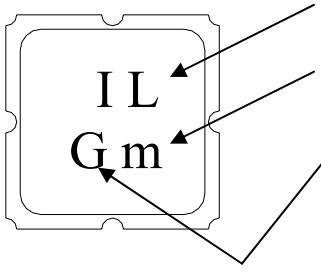
Units: mm

Tolerances are typically ±0.15 mm except where indicated.

Pad Configuration:

Input:	2
Output:	5
Ground:	1,3,4,6

MARKING



Model Identification: IL = SF0869BA02504S

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.
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