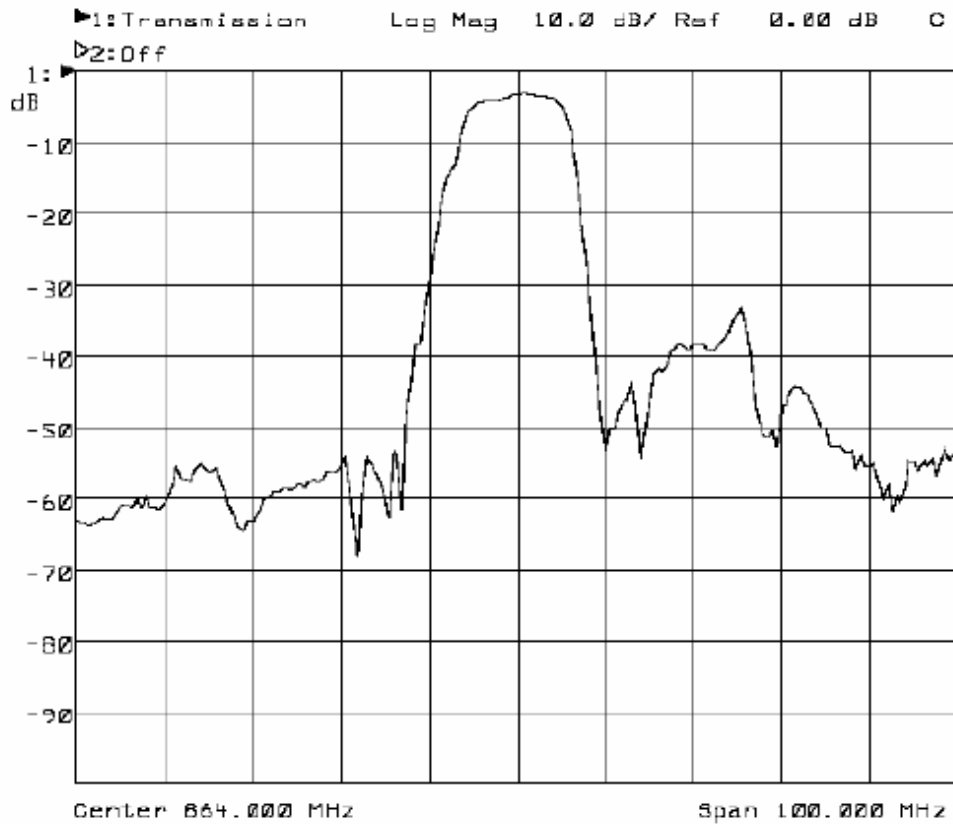


## DESCRIPTION

- 864 MHz SAW filter with 12 MHz bandwidth for low power wireless communications.
- 3 x 3 mm ceramic LCC, 6 pads.
- RoHS compliant.

## TYPICAL PERFORMANCE



## SPECIFICATION

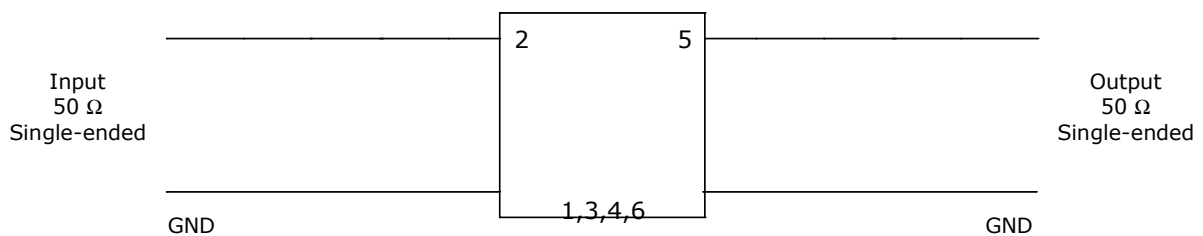
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) <sup>1</sup>	-	864	-	MHz
Insertion Loss (862.5 to 865.5 MHz)	-	4	6	dB
Passband Ripple (862.5 to 865.5 MHz)	-	1.5	2.5	dB
Bandwidth (2.5 dB)	3	10	-	MHz
Rejection (841.6-843.6 MHz) <sup>2</sup>	40	44	-	dB
Rejection (852.3-853.3 MHz) <sup>2</sup>	30	38	-	dB
Ambient Temperature	25			°C
System Source and Load Impedance	50/0			Ω/pF

- Notes: 1. Average of lower & upper 3 dB frequencies.  
2. Referenced to the insertion loss.

## MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-30	80	°C
Input Power Level	-	0	dBm
DC Permissive Voltage	-	10	V DC

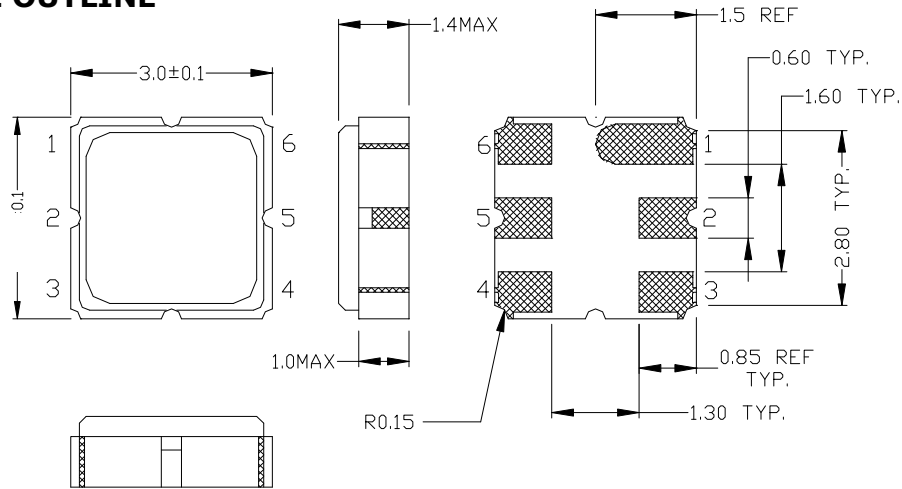
## MATCHING CIRCUIT



Notes:

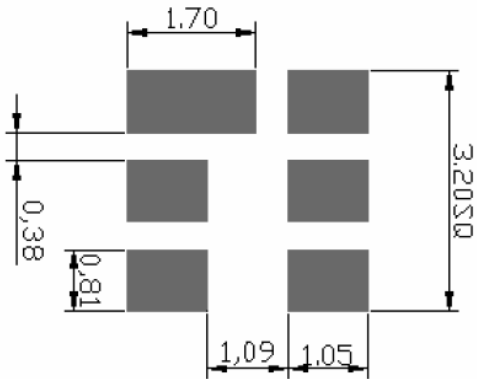
- External matching components are not required.

**PACKAGE OUTLINE**



**Units:** mm

**SUGGESTED FOOTPRINT**



Typical tolerances are  $\pm 0.15$  mm except where indicated.

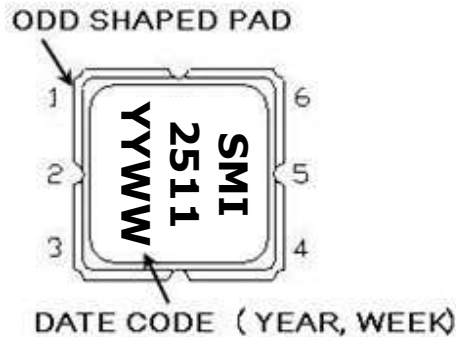
**Pad Configuration:**

Input: 2  
 Output: 5  
 Ground: All other pads

**Package Material:**

Body:  $Al_2O_3$  ceramic  
 Lid: Kovar, Ni plated  
 Terminations: Au plating 1  $\mu$ m min, over a 1.3-8.9  $\mu$ m Ni plating

**MARKING**



**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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