

# **SPECIFICATION**

## **COMMERCIALY AVAILABLE**

**SAW BP FILTER**  
**PART NUMBER: SF0070001F**  
**RoHS**

<b>ISSUED / REVISION</b>	<b>ENGINEER APPROVED</b>	<b>DOCUMENT CHECKED</b>	<b>DRAFTSMAN</b>
<b>12/14/11 kn</b>	<b>12/21/2011 TFG</b>		<b>12/21/2011 GL</b>

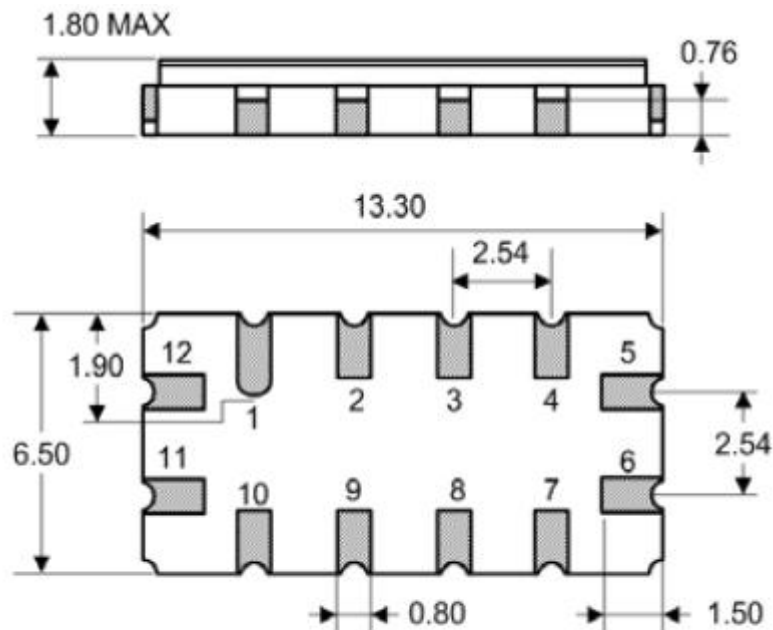
***FILTRONETICS Inc***

## 1. Electrical Specifications:

Index	Unit	Min	Typical	Max
Center Frequency	MHz	69.94	70.00	70.06
Insertion Loss	dB	-	12.0	14.0
1 dB Bandwidth	MHz	-	0.34	-
3 dB Bandwidth	MHz	0.50	0.57	-
40 dB Bandwidth	MHz	-	1.63	2.00
Passband Ripple	dB	-	0.65	1.00
Group Delay Variation	nsec	-	130	200
Absolute Delay	µsec	-	1.66	-
Ultimate Rejection	dB	40	50	
Package	mm <sup>2</sup>	13.3 x 6.5		
Substrate Material		Quartz		
Temperature Coefficient	ppm/°C <sup>2</sup>	-0.036		

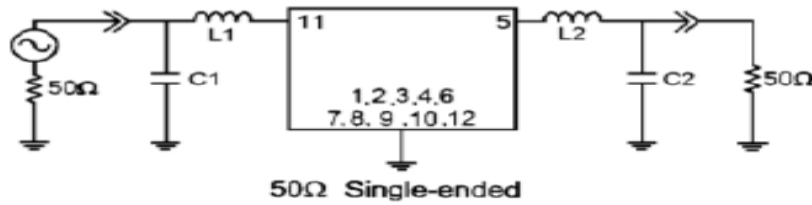
Marking:  
SF0070001F  
Date Code

## 2. Dimension:



Input:11 Input Gnd:12 Output:5 Output Gnd:6  
Other Pins: Ground

MATCHING CONFIGURATION



L1 = 390nH, L2 = 440nH, C1 = C2 = 56pF  
 Source / Load Impedance = 50Ω  
 Ambient Temperature = 25°C

3. Typical Performance:

