

# **SPECIFICATION**

## **COMMERCIALY AVAILABLE**

**ITEM: SAW FILTER**  
**PART NUMBER: SF140487A**

**Revised per ECO 4413: Added square corner orientation note.**

<b>ISSUED / REVISION</b>	<b>ENGINEER APPROVED</b>	<b>DOCUMENT CHECKED</b>	<b>DRAFTSMAN</b>
<b>4/13/11 kn</b>	<b>4/19/2011 SRJ</b>	<b>4/26/2010 BF</b>	<b>5/5/2010 GL</b>
<b>10/15/2012 GL</b>	<b>10/15/2012 TFG</b>		<b>10/15/2012 GL</b>

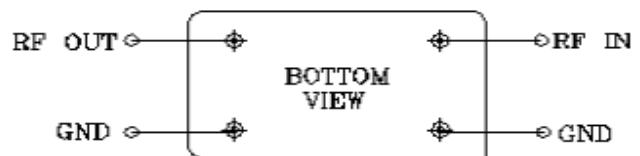
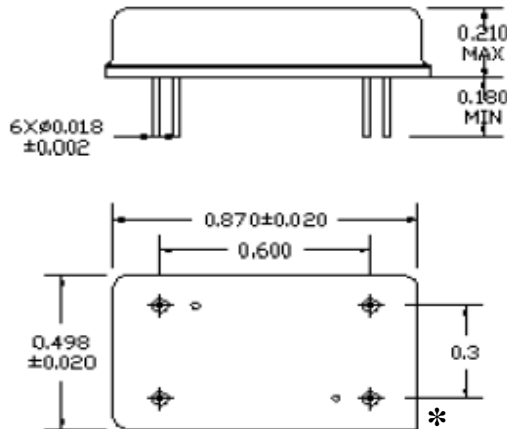
***FILTRONETICS Inc***

1. Electrical Specifications:

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	139.80	140.00	140.20
Insertion Loss at F0	dB		30.00	32.00
1 dB Bandwidth	MHz	45.18	46.48	
3 dB Bandwidth	MHz	49.70	48.80	
40dB Bandwidth	MHz		58.12	59.30
Passband Variation	dB		0.30	0.50
Group Delay Variation	nsec		15	18
Absolute Delay	usec		0.71	0.72
Ultimate Rejection	dB	45	50	
Substrate Material	-		128LiNbO3	
Ambient Temperature	°C	-40	25	80

Marking:  
SF140487A  
Date Code

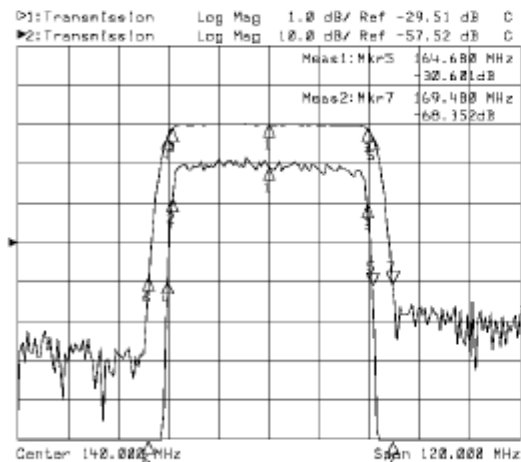
2. Package:



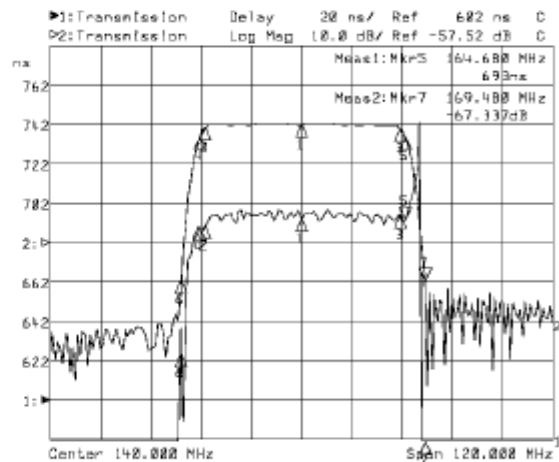
No Matching Required  
Source/Load Impedance=50ohm  
Package Style XI

\* Note:  
Square corner denotes orientation.

3. Typical Performance:



Horizontal: 12MHz/Div  
Vertical: 1dB/Div&10dB/Div



Horizontal: 12MHz/Div  
Vertical: 20nsec/Div&10dB/Div