

**SPECIFICATION****COMMERCIALY AVAILABLE**

ITEM: SAW FILTER  
 PART NUMBER: SF140224A  
 RoHS Compliant

Revised per ECO 4413: Added square corner orientation note.

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
12/6/06 XX			
1/18/11 PM			
10/16/2012 GL	10/16/2012 TFG		10/16/2012 GL

***FILTRONETICS Inc***

1. Part Number: SF140224A

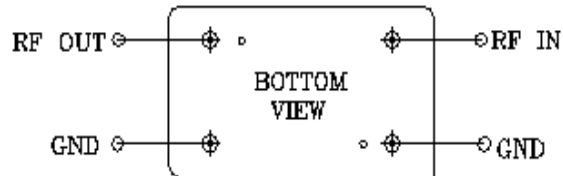
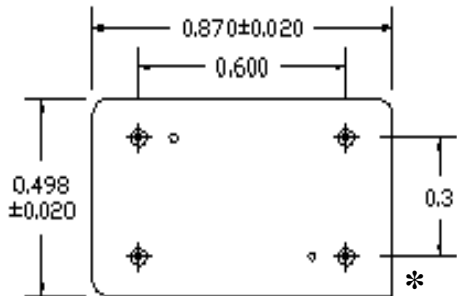
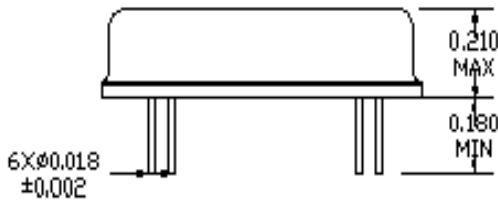
RoHS COMPLIANT

2. Electrical Specifications:

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	139.85	140.0	140.15
Insertion Loss at F <sub>0</sub>	dB		24.00	24.2
1 dB Bandwidth	MHz	22.7	22.90	
3 dB Bandwidth	MHz	24.4	24.53	
40dB Bandwidth	MHz		29.44	29.6
Passband Variation	dB		0.5	0.7
Group Delay Variation	nsec		30.0	40
Absolute Delay	usec		0.85	
Ultimate Rejection	dB	50	52	
Substrate Material	-		128LiNbO3	
Ambient Temperature	°C		25	

3. Mechanical Package and Marking:

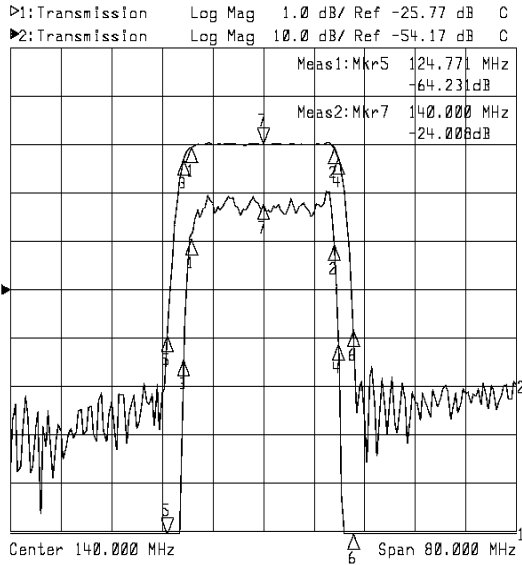
Filtro  
SF140224A  
WWYY



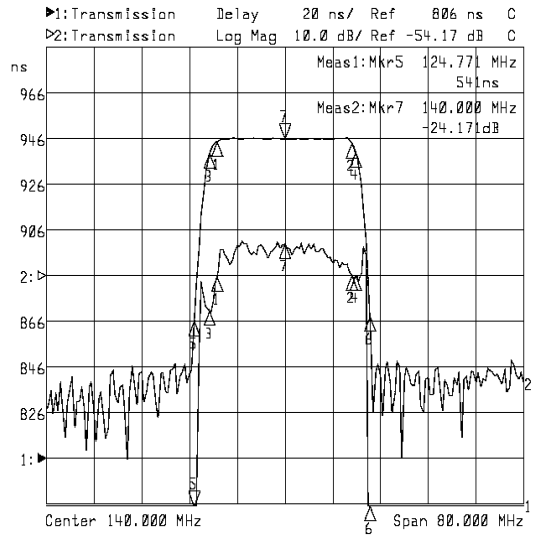
No Matching Required  
Source/Load Impedance=50ohm  
Package Style XI

\* Note:  
Square corner denotes orientation.

4. Plots:



Horizontal: 8MHz/Div; Vertical: 10dB/Div



Horizontal: 8MHz/Div; Vertical: 20nsec/Div