

SPECIFICATION

COMMERCIALLY AVAILABLE

ITEM: SAW FILTER
PART NUMBER: SF0070022A
RoHS

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
6/14/12 DS	07/09/2012 TFG		07/09/2012 GL

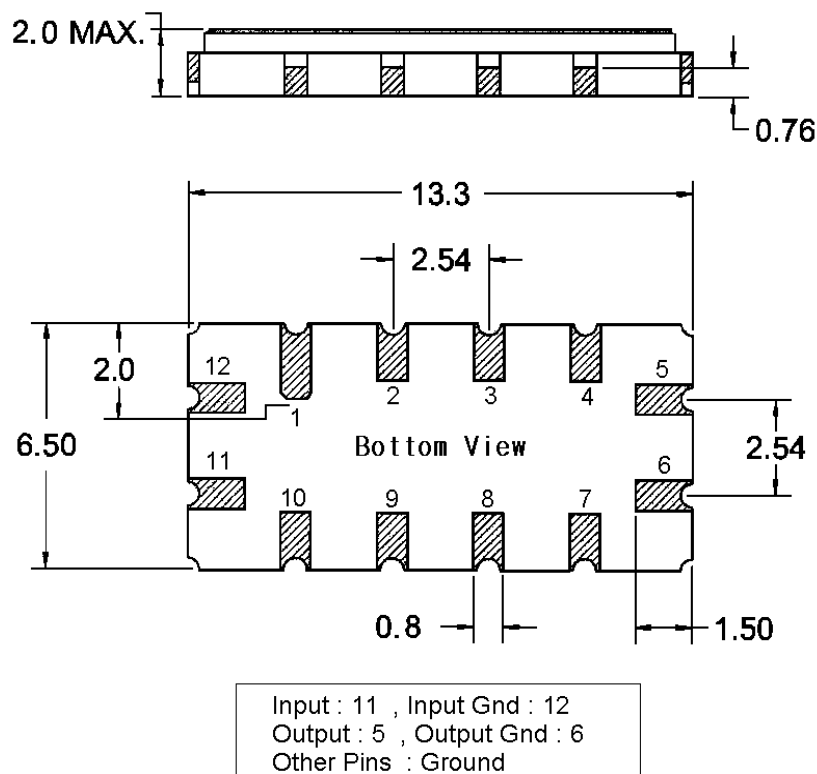
FILTRONETICS Inc

1. Electrical Specifications:

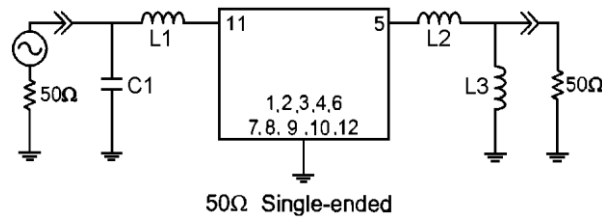
Parameter	Unit	Min.	Typ.	Max.
Center Frequency	MHz	69.90	70.00	70.10
Insertion Loss	dB	-	13.50	15.50
1dB Bandwidth	MHz	20.00	20.78	-
3dB Bandwidth	MHz	21.50	22.02	-
40dB Bandwidth	MHz	-	26.80	27.30
Passband Ripple	dB	-	0.65	1.00
Group Delay Variation	nsec	-	50	100
Absolute Delay	μsec	-	1.10	-
Ultimate Attenuation	dB	40	47	-
Substrate Material	-	YZ-LiNbO ₃		
Temperature Coefficient	ppm/°C	-86		

2. Mechanical and Marking:

Filtro
SF0070022A
mmyy



Matching Configuration



$L1=150\text{nH}$, $L2=100\text{nH}$, $L3=120\text{nH}$, $C1=30\text{pF}$

Source / Load Impedance = 50Ω

Ambient Temperature = 25°C

3. Plots:

