

SPECIFICATION

COMMERCIALLY AVAILABLE

SAW BAND PASS
PART NUMBER: SF0070003D
RoHS

7/12/13 added Humidity, Vib., Operating & Storage temperatures.

7/25/13 Changed Random Vib.

9/13/13 changed 40dB Bandwidth to 45dB & Added Simulation Plot

2/26/14 added matching values, plots & 40dB. Changed 45dB Max to 45dB typical.

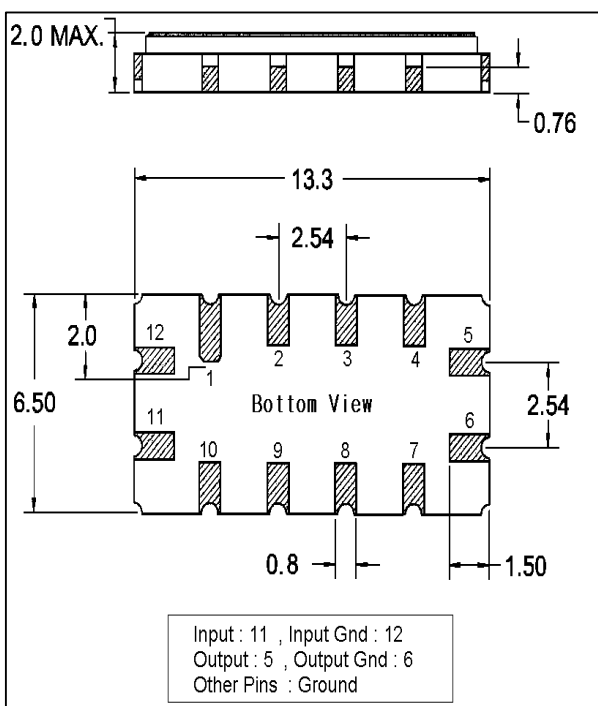
ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
3/20/13 ^(kn)			
7/12/13 ^(kn)			
7/25/13 PM			
9/13/13 (dg)			
2/26/14 ^(kn)			

FILTRONETICS Inc

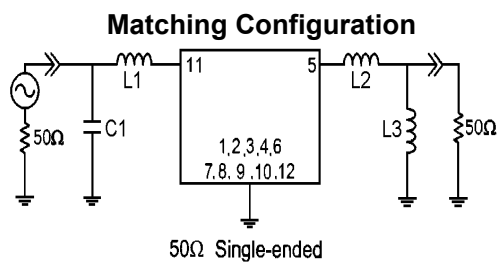
1. Electrical Specifications:

Frequency Characteristics		Minimum	Typical	Maximum
Center Frequency	MHz	69.92	70.00	70.08
Insertion Loss	dB	-	19.10	20.50
1dB Bandwidth	MHz	3.00	3.10	-
3dB Bandwidth	MHz	-	3.35	-
40dB Bandwidth	MHz	-	-	4.80
45dB Bandwidth	MHz		5	
Attenuation	dB	40	45	-
Amplitude Ripple	dB	-	0.60	1.00
Absolute Delay	μsec	-	1.65	-
Group Delay Variation	nsec	-	80	160
Substrate Material	-	112-LiTaO ₃		
Operating Temperature	°C	-20 to +65		
Storage Temperature	°C	-30 to +70		
Temperature Coefficient of Frequency	ppm/°C	-	-20	-
Humidity		90% @ +40°C		
Random Vibration		8grms		
Package	mm	13.3*6.5mm(SMD)		

2. Dimension:



Marking:
SF0070003D
Date Code



L1 = 82nH, L2 = 3.9nH, L3 = 56nH, C1 = 56pF
Source / Load Impedance = 50Ω
Ambient Temperature = 25°C.

3. Simulation:

