

SPECIFICATION
COMMERCIALY AVAILABLE

ITEM: SAW FILTER
 PART NUMBER: SF0070004
 Release Date: May 21, 2009
 RoHS

Prepared By: kn
 Revised By:

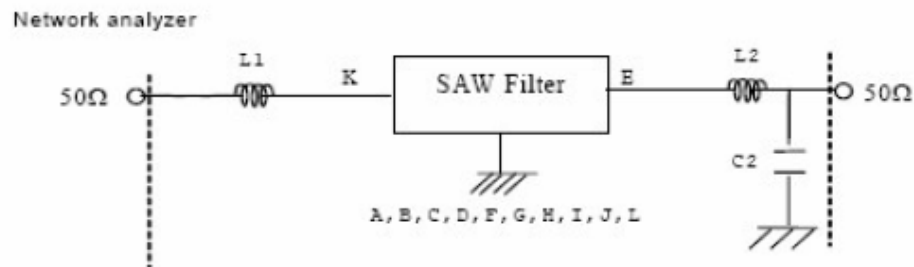
ISSUED	CHECKED	CHECKED	CHECKED	APPROVED

FILTRONETICS Inc

1. Electrical Specifications:

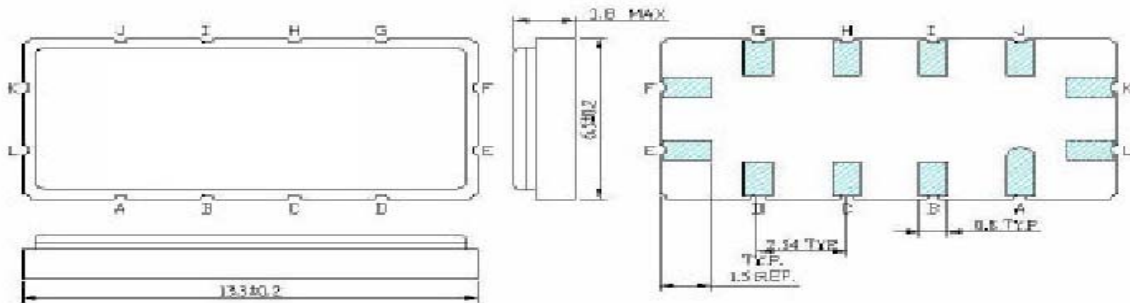
Reference Temperature $T_a = 25^\circ\text{C}$

Parameters	Unit	Min.	Typical	Max.
Center frequency, F_c	MHz	69.8	70	70.2
Insertion Loss, IL	dB	-	8.0	9.5
1 dB Bandwidth	MHz	3.4	3.6	-
3 dB Bandwidth	MHz	4.0	4.45	-
40 dB Bandwidth	MHz	-	7.18	8.0
Relative Attenuation:				
10 to 64.5 MHz	dB	40	45	-
74 to 140 MHz	dB	40	43	-
Amplitude ripple within $F_c \pm 1.5$ MHz	dB	-	0.9	1.0
Group Delay ripple within $F_c \pm 1.5$ MHz	nsec	-	190	220
Substrate Material	-	-	YZ-LN	-
Temperature Coefficient of frequency	ppm/ $^\circ\text{C}$	-	-94	-

Input Power Level: $+20$ dB_mStorage Temperature: -40°C to $+85^\circ\text{C}$ Source and load impedance: $50\ \Omega$ Input: $L1=220$ nH, $Q>40$ Output: $L2=100$ nH, $Q>40$; $C2=22$ pF

Marking: SF0070004 YY/MM

2. Mechanical Package:

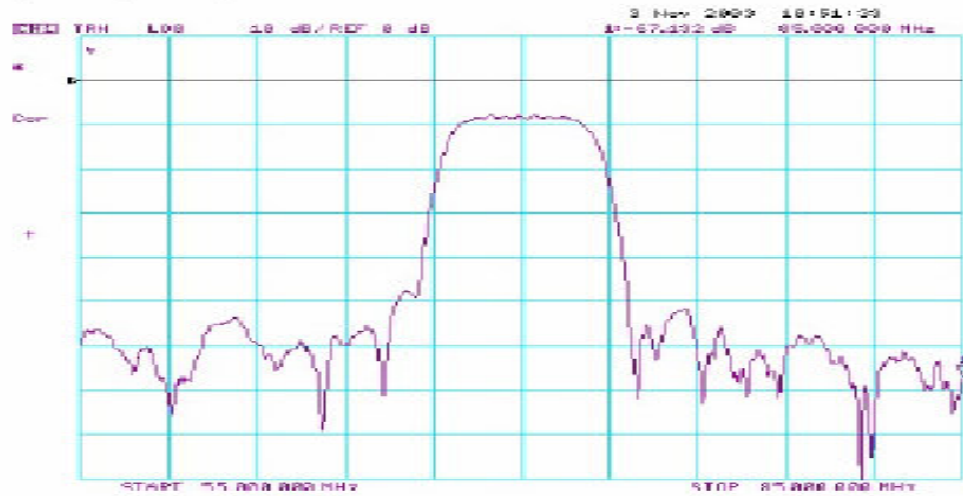


- Pin K: RF Input
- Pin E: RF Output
- Pin L: Input Ground
- Pin F: Output Ground
- Pin A, B, C, D, G, H, I, J: To be Ground
- : Date code

Unit: mm

3. Graphs

(1) Frequency Response



(2) Passband response and Group Delay Variation

