

# SPECIFICATION

COMMERCIALY AVAILABLE

ITEM: SAW FILTER  
PART NUMBER SF0279020

Revision Made: Removed red line marking on plot

3/22/2010 Added Matching Circuit

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
3/9/2010 DS	3/9/2010 SRJ	3/10/2010 BF	6/18/2010 GIL	
3/12/2010 DS				
3/22/2010 DS	3/22/2010 SRJ			

**FILTRONETICS Inc**

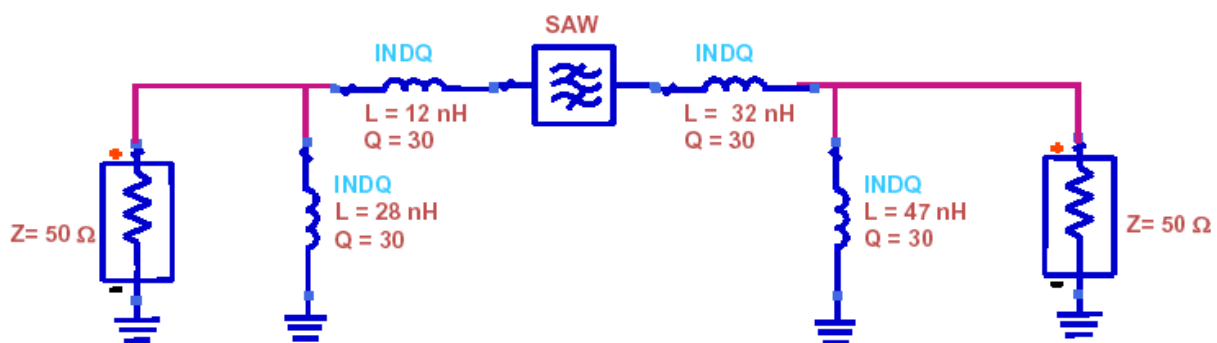
## 1. Electrical Specifications:

	Unit	Min	Typical	Max	Comm.
Center Frequency, $f_c$	MHz		279.6		
Insertion Loss <sup>1)</sup>	dB		10.0	12.5	
1dB Bandwidth	MHz	20.0	25.0		
Passband Ripple <sup>2)</sup>	P-P dB		0.5	1.0	
Rejection					
100 ~ 229.6 MHz	dBc	50	60		
329.6 ~ 450 MHz	dBc	50	60		
Group Delay Ripple <sup>2)</sup>	P-P nsec		30	100	
Temp Coefficient <sup>3)</sup>	PPM/K		-94		
Operating Temperature Range	°C	-40	25	+85	
Package	mm <sup>3</sup>	7.0x5.0x1.8			
Notes	1) Insertion loss with matching circuit 2) $f_c \pm 10\text{MHz}$ 3) Frequency Shift over temp variation $\Delta f = 279.6 * -94 * (85 - (-40)) = 3.5 \text{ MHz}$				



## Matching Circuit

: Final value will be defined after raw data measurement.



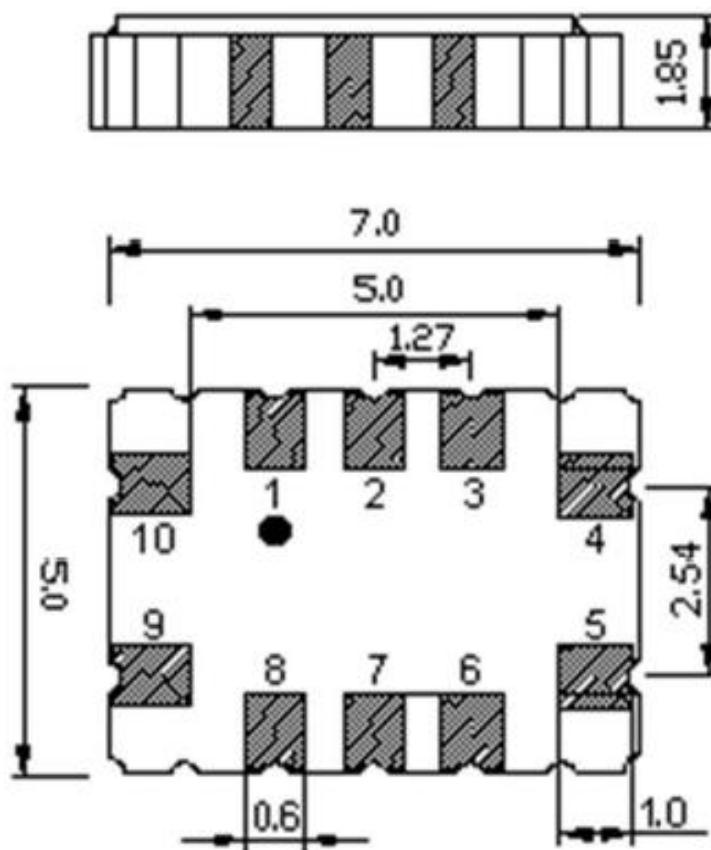
2. Mechanical Package:

MARKING:

Filtronetics, Inc.  
SF0279020  
YY/MM

PKG 7x5 mm<sup>2</sup>

Input + : 9  
Input - : 10  
Output + : 4  
Output - : 5  
Ground : others



All tolerances are  $\pm 0.15$ mm

3. Typical Response

