

# 360 MHz SAW Filter

# 162954

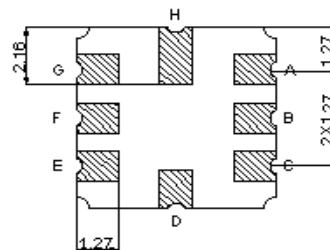
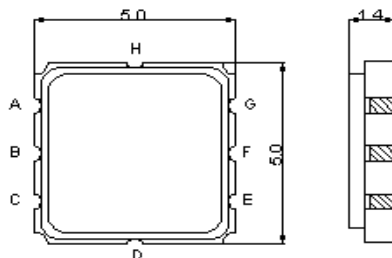
## Specifications

Parameter	Unit	Min	Typical	Max
Center Frequency ( $f_0$ )	MHz	-	360	-
Insertion Loss ( $a_{min}$ )	dB	-	4.6	5.2
Amplitude Ripple $f_0 \pm 67.7$ kHz	dB	-	0.8	1.5
Group Delay Ripple $f_0 \pm 67.7$ kHz	$\mu$ s	-	0.7	2.0
Relative Attenuation:				
$f_0 \pm 0.4 \sim f_0 \pm 0.6$ MHz	dB	29	38	-
$f_0 \pm 0.6 \sim f_0 \pm 0.8$ MHz	dB	42	50	-
$f_0 \pm 0.8 \sim f_0 \pm 1.6$ MHz	dB	42	55	-
$f_0 \pm 1.6 \sim f_0 \pm 5.0$ MHz	dB	45	55	-
$f_0 \pm 5.0 \sim f_0 \pm 30.0$ MHz	dB	50	57	-
FTC	ppm/ $^{\circ}$ C <sup>2</sup>	-	0.032	-
Terminating Impedance	$\Omega$	-	50	-

## Maximum Rating ( $T_a = 25^{\circ}$ C)

Number	Item	Rating
1.	DC Voltage	0 V
2.	Input Power	5 dBm
3.	Operating Temperature	-20 $^{\circ}$ C ~ +75 $^{\circ}$ C
4.	Storage Temperature	-35 $^{\circ}$ C ~ +85 $^{\circ}$ C

## Package Outline

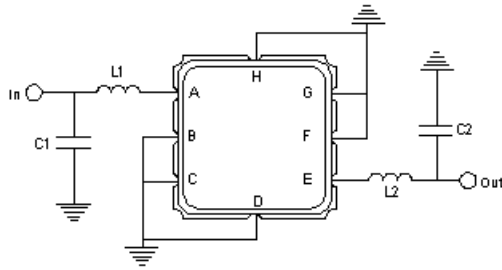


PIN Descriptions	
IN	A,B
Out	E,F
Ground	A,C,D,G,H,F

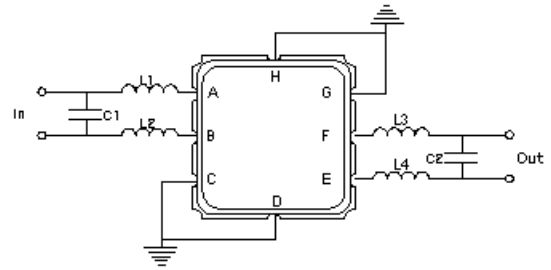
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## Test Fixture

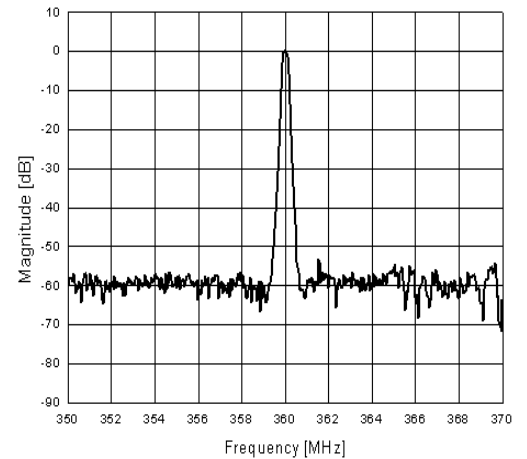
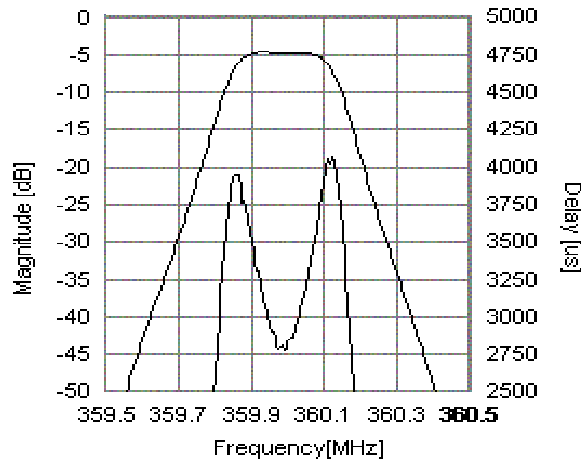


L1 : 68 nH L2 : 74 nH  
 C1 : 7 pF C2 : 7 pF  
 Source/Load Impedance = 50 Ω



L1 ,L2 ,L3 ,L4 : 56 nH  
 C1 : 5.0 pF C2 : 4.3 pF  
 Source/Load Impedance = 50 Ω

## Frequency Response



SAW PRODUCTS

COM DEV