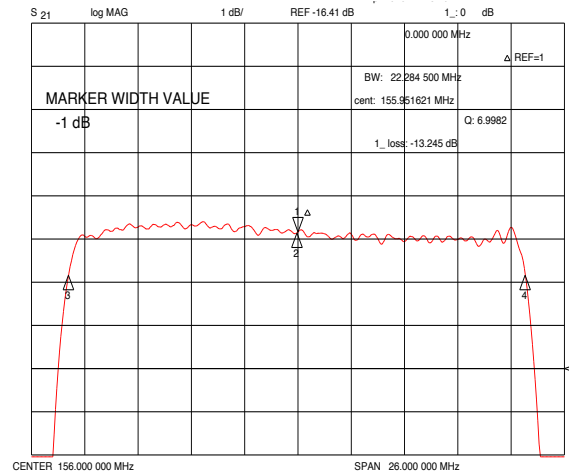
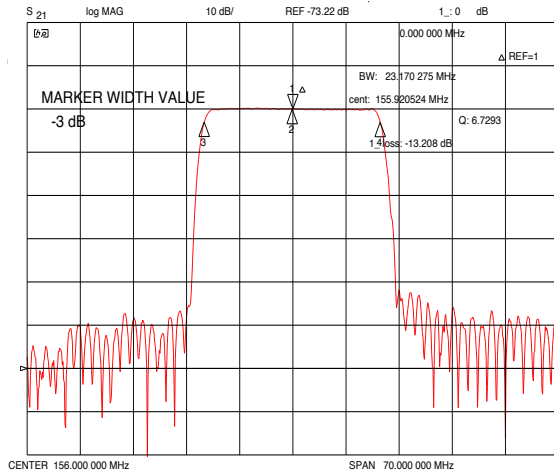


# PRODUCT SPECIFICATION FOR INFORMATION

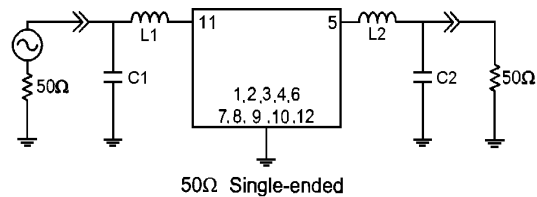
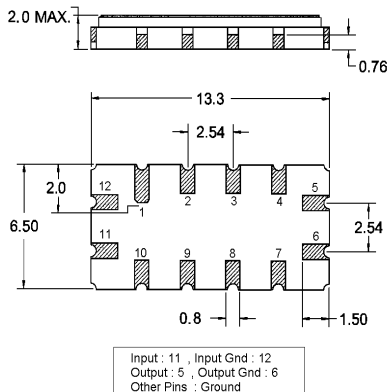
- Product Name : IF SAW FILTER
- Part No : HD34475

## 1. Typical Performance



## 2. Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	156.00	-
Insertion Loss	dB	-	13.00	15.00
1dB Bandwidth	MHz	21.20	22.20	-
3dB Bandwidth	MHz	-	23.10	-
40dB Bandwidth	MHz	-	27.00	30.00
Amplitude Ripple within( $F_o \pm 10\text{MHz}$ )	dB	-	0.55	1.0
Group Delay Variation( $F_o \pm 10\text{MHz}$ )	nsec	-	50	100
Absolute Delay	$\mu\text{sec}$	-	0.84	-
Attenuation	dB			
0 ~ 123MHz		40	45	
190 ~ 1000MHz		35	40	
Substrate Material	YZ-LiNbO <sub>3</sub>			
Temperature Coefficient	ppm/ $^{\circ}\text{C}$	-86		
Operating Temperature	$^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ ~ +85 $^{\circ}\text{C}$		



50 $\Omega$  Single-ended  
 $L_1=22\text{nH}$ ,  $L_2=27\text{nH}$ ,  $C_1=59\text{pF}$ ,  $C_2=27\text{pF}$   
 Source / Load Impedance = 50 $\Omega$   
 Ambient Temperature = 25 $^{\circ}\text{C}$

