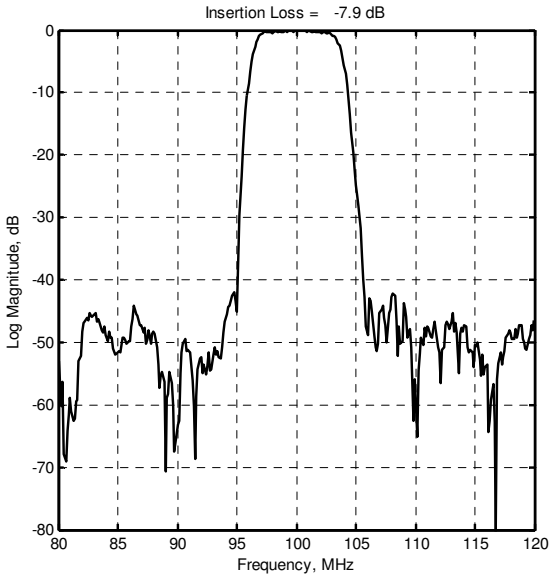
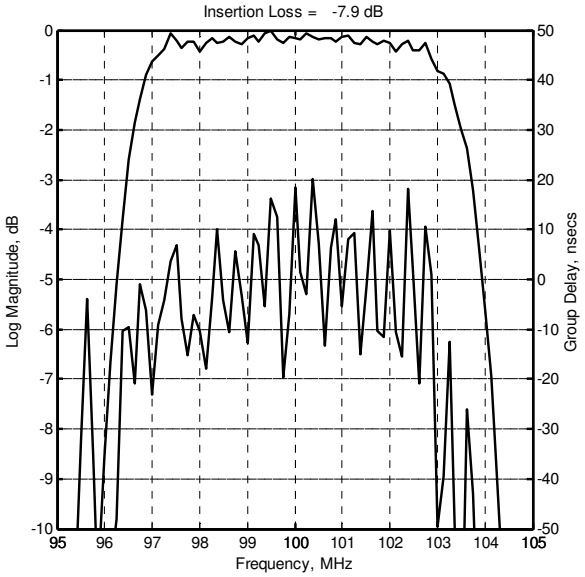
Typical Performance





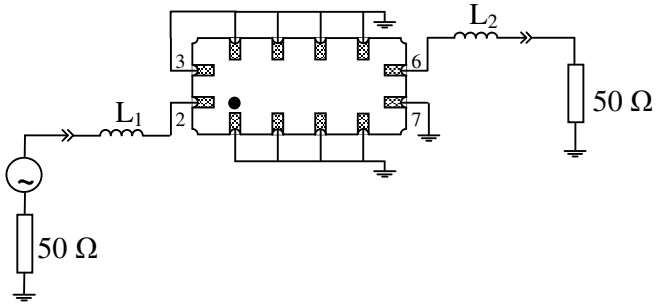
Specifications

Parameter	Unit	Min	Typ	Max	Note
Center Frequency f_o	MHz	99.86	100	100.14	
Insertion Loss at f_o	dB		7.9	8.5	Inductor Q=30
1 dB Bandwidth	MHz	6.15	6.36		
3 dB Bandwidth	MHz	7	7.26		
40 dB Bandwidth	MHz		10.54	11	
Stop-Band Attenuation	dB	40	43		
Passband Ripple	dB		0.4	0.8	80% of 3 dB BW (p-p)
Phase Linearity	degs		3	5	80% of 3 dB BW (p-p)
Group Delay Variation	nsecs		40	70	80% of 3 dB BW (p-p)
Absolute Delay	μsec		1.21		
Substrate Material			YZ $LiNbO_3$		
Temperature Shift	ppm/^{o}C		-94		
Ambient Temperature	^{o}C		25		
Package Size	mm		13.3 x 6.5		SMD

Matching Configuration

L_1=100 nH
L_2=160 nH
Q_1=Q_2=30

Source/Load
Impedance=50 Ω



Tel.: +49 89 976 00 973
Mob.: +49 173 654 7820
Dr. A.S.Rukhlenko | Web: https://intrasaw.com | E-mail: rukhlenko@intrasaw.com