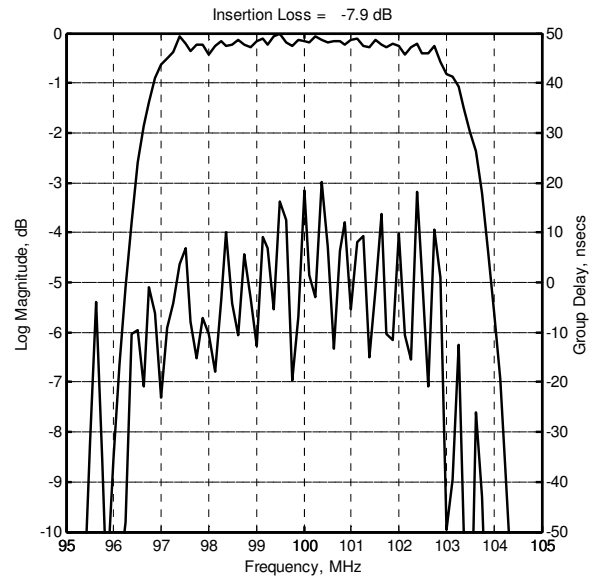
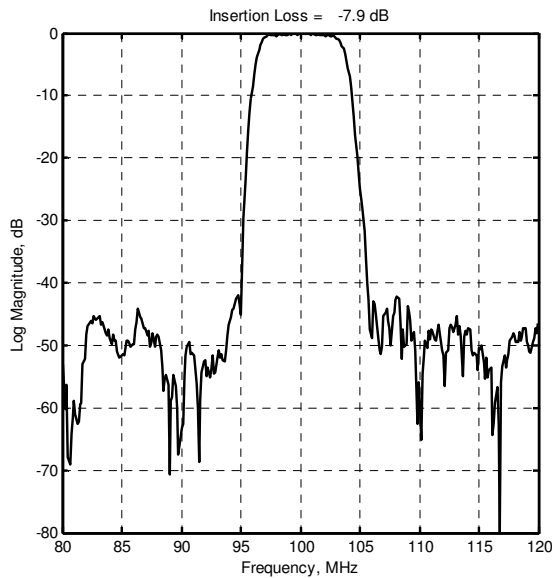


Typical Performance



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	μ sec		1.21		
Substrate Material			YZ LiNbO ₃		
Temperature Shift	ppm/ $^{\circ}$ C		-94		
Ambient Temperature	$^{\circ}$ 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= 50Ω

