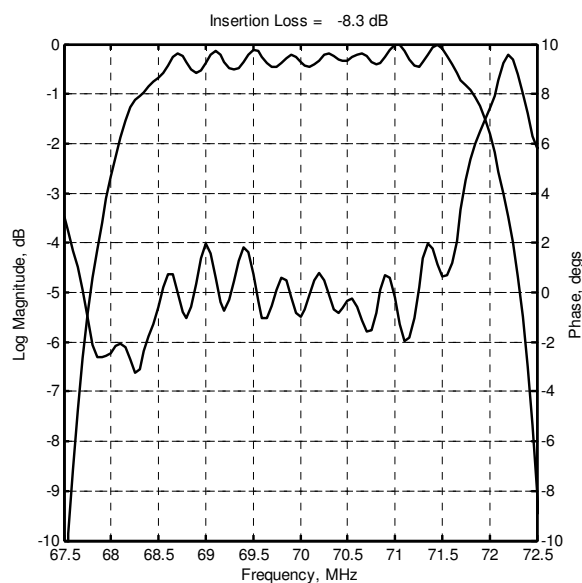
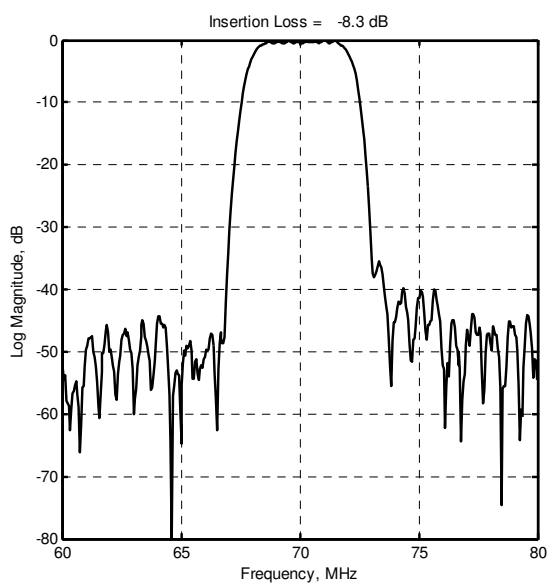


Typical Performance



Specifications

Parameter	Unit	Min	Typ	Max	Note
Center Frequency f_o	MHz	69.85	70	70.15	
Insertion Loss at f_o	dB		8.3	9	Inductor Q=30
1 dB Bandwidth	MHz	3.35	3.5		
3 dB Bandwidth	MHz	3.8	4.2		
40 dB Bandwidth	MHz		6.64	7.3	
Stop-Band Attenuation	dB	40	45		
Passband Ripple	dB		0.5	0.8	At 1 dB BW (p-p)
Phase Linearity	degs		4	6	At 1 dB BW (p-p)
Group Delay Variation	nsecs		130	150	At 1 dB BW (p-p)
Absolute Delay	μ sec		1.3		
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

$$L_1 = L_2 = 160 \text{ nH}$$

$$Q_1 = Q_2 = 30$$

Source/Load
Impedance=50 Ω

