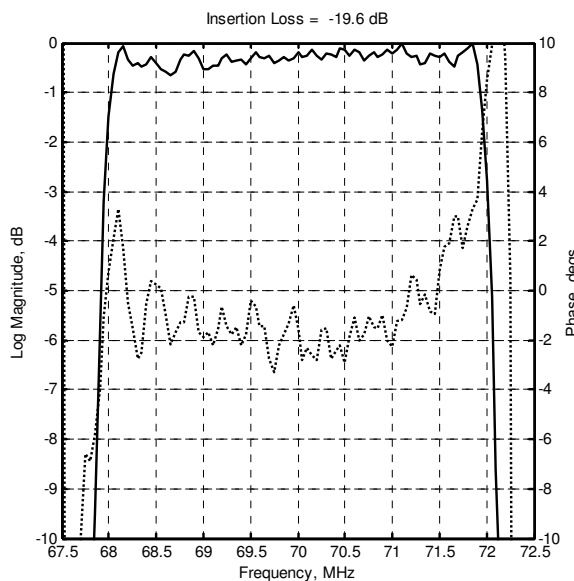
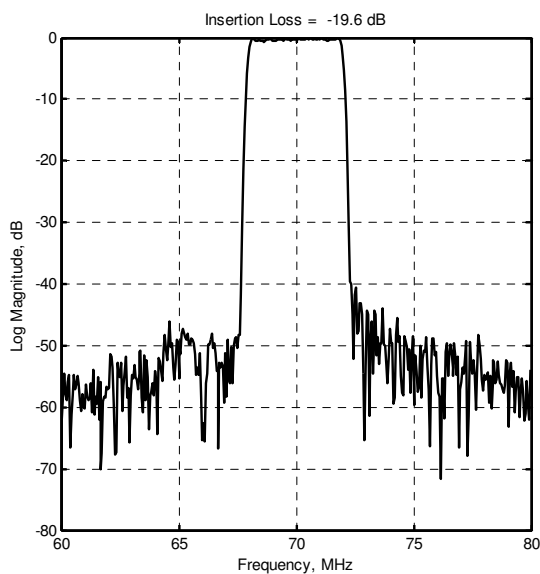


Typical Performance



Specifications

Parameter	Unit	Min	Typ	Max	Note
Center Frequency f_o	MHz	69.9	70	70.1	
Insertion Loss at f_o	dB		19.6	22	Matched, Q=40
1.5 dB Bandwidth	MHz	3.84	3.96		
Attenuation	dB				
$f_o \pm 2.35$ MHz		37	40		
10 - 65 MHz		45	47		
75 - 150 MHz		45	48		
Passband Ripple	dB		0.65	1.5	At $f_o \pm 1.9$ MHz (p-p)
Phase Linearity	degs		6	8	At $f_o \pm 1.9$ MHz (p-p)
Group Delay Variation	nsecs		180	250	At $f_o \pm 1.9$ MHz (p-p)
Absolute Delay	μ sec		3.26		
Return Loss at f_o	dB		20		
Substrate Material			112° LiTaO ₃		
Temperature Shift	ppm/°C		-25		
Ambient Temperature	°C	-35	25	85	
Package Size	mm		24.7 x 9		SMD

Matching Configuration

$C_1 = 130$ nH, $L_1 = 51$ nH
 $C_2 = 120$ nH, $L_2 = 68$ nH
 Source/Load
 Impedance = 50 Ω

