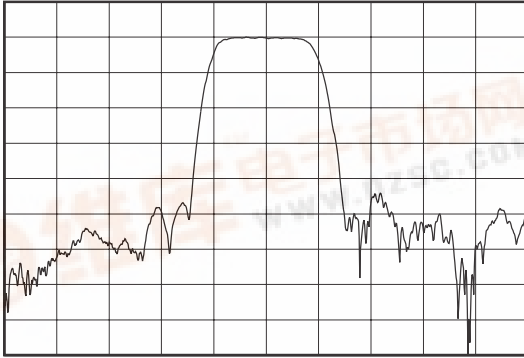




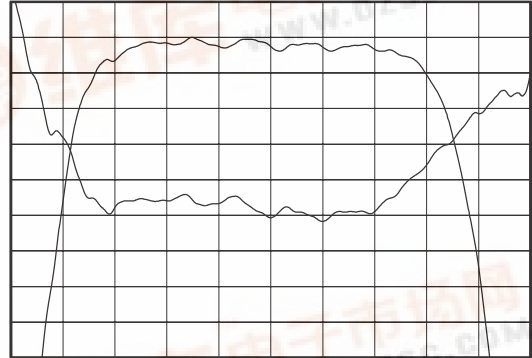
**70 MHz Low-Loss Filter**  
**7 MHz Bandwidth**  
**Part Number 854662**

Data Sheet

Typical Performance



Horizontal: 4 MHz/Div  
 Vertical: 10 dB/Div

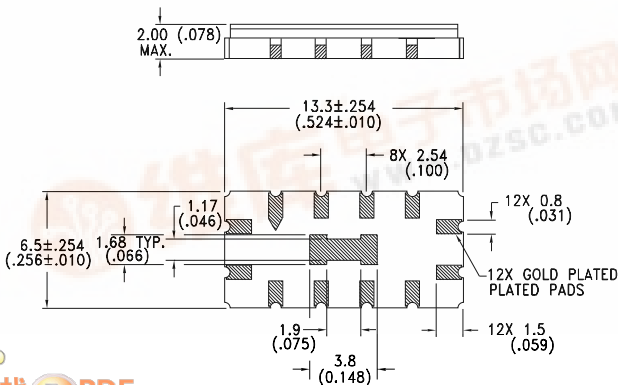


Horizontal: 1 MHz/Div  
 Vertical: 1 dB/Div  
 Vertical: 5 deg/Div

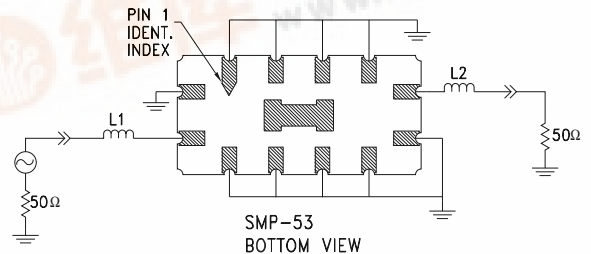
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at $F_o$	dB	-	8.5	9.5
1 dB Bandwidth	MHz	6.2	6.4	-
3 dB Bandwidth	MHz	7	7.4	-
40 dB Bandwidth	MHz	-	11.55	11.95
Passband Ripple	dB	-	0.65	1
Phase Linearity (80% of 3db Bandwidth)	deg	-	6	8
Group Delay Variation (80% of 3db Bandwidth)	nsec	-	55	125
Absolute Delay	μsec	-	1.03	-
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Coefficient	ppm/°C	-	-94	-
Ambient Temperature	°C	-	25	-

Package Outline



Matching Configuration



L1 = 120nH, L2 = 150nH  
 Nominal Source/Load Impedance = 50Ω  
 Package Style SMP-53

11/29/99