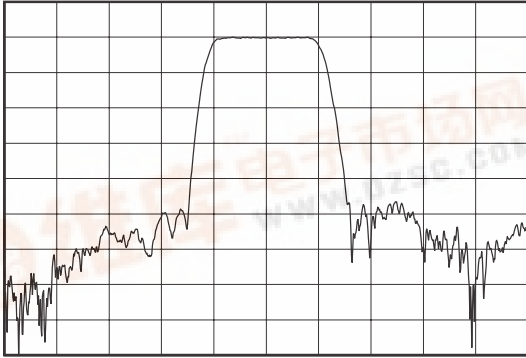




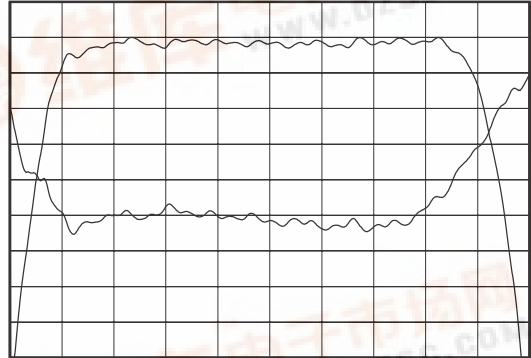
**70 MHz Low-Loss Filter**  
**10 MHz Bandwidth**  
**Part Number 854665**

Data Sheet

Typical Performance



Horizontal: 5 MHz/Div  
 Vertical: 10 dB/Div

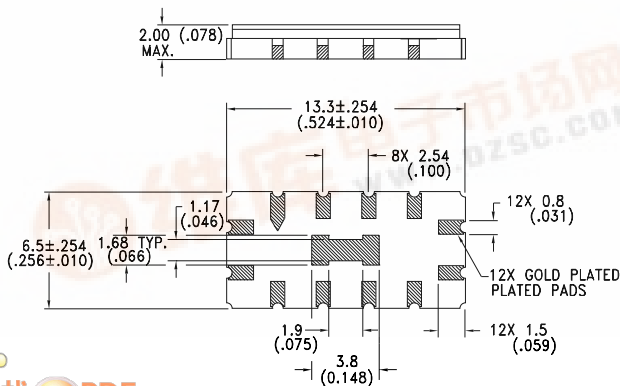


Horizontal: 1.2 MHz/Div  
 Vertical: 1 dB/Div  
 Vertical: 5 deg/Div

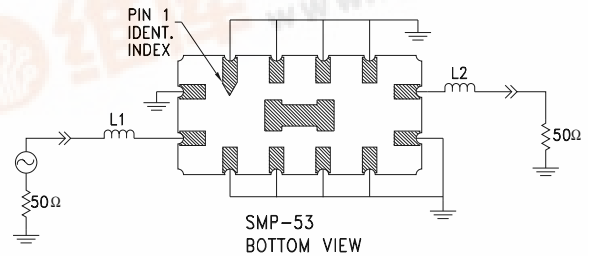
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at $F_o$	dB	-	10	11
1 dB Bandwidth	MHz	9.35	9.55	-
3 dB Bandwidth	MHz	10	10.45	-
40 dB Bandwidth	MHz	-	15	15.7
Passband Ripple	dB	-	0.7	1
Phase Linearity (90% of 3dB Bandwidth)	deg	-	9	11.5
Group Delay Variation (90% of 3dB Bandwidth)	nsec	-	70	95
Absolute Delay	µsec	-	1.05	-
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Coefficient	ppm/°C	-	-94	-
Ambient Temperature	°C.	-	25	-

Package Outline



Matching Configuration



L1 = 150nH, L2 = 100nH  
 Nominal Source/Load Impedance = 50Ω  
 Package Style SMP-53

11/29/99