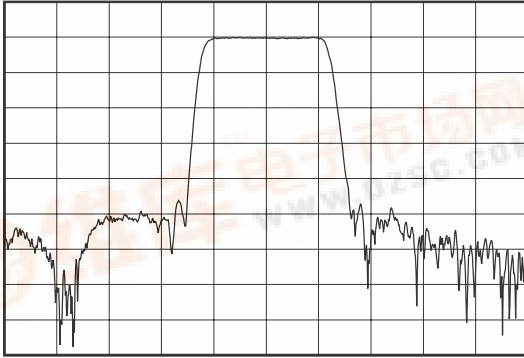




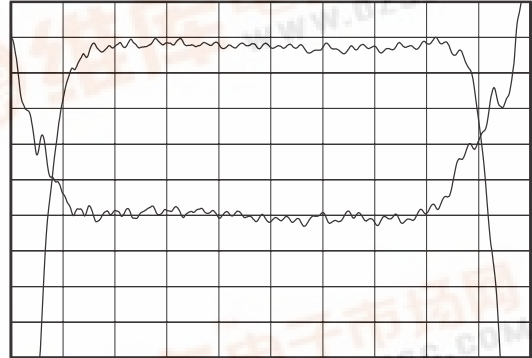
70 MHz Low-Loss Filter
16 MHz Bandwidth
Part Number 854668

Data Sheet

Typical Performance



Horizontal: 7 MHz/Div
 Vertical: 10 dB/Div

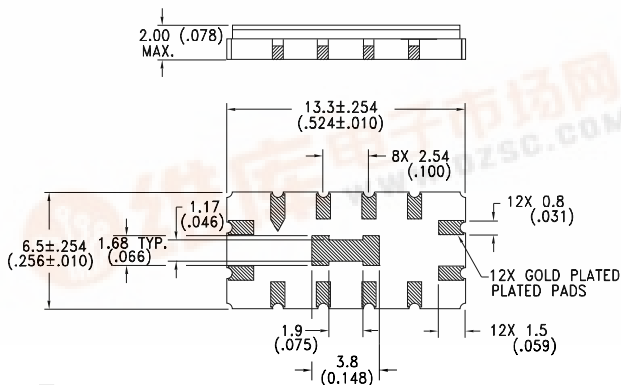


Horizontal: 2 MHz/Div
 Vertical: 1 dB/Div
 Vertical: 5 deg/Div

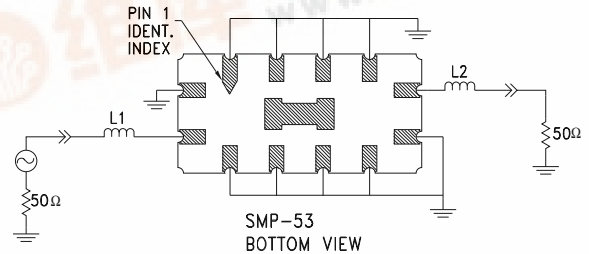
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at F_o	dB	-	12.5	13.5
1 dB Bandwidth	MHz	15.2	15.52	-
3 dB Bandwidth	MHz	16	16.5	-
40 dB Bandwidth	MHz	-	21.4	22
Passband Ripple	dB	-	0.72	1
Phase Linearity (90% of 3dB Bandwidth)	deg	-	7.75	11.5
Group Delay Variation (90% of 3dB Bandwidth)	nsec	-	70	100
Absolute Delay	μsec	-	1.07	-
Substrate Material	-	-	YZ LiNbO ₃	-
Temperature Coefficient	ppm/°C	-	-94	-
Ambient Temperature	°C	-	25	-

Package Outline



Matching Configuration



L1 = 120nH, L2 = 100nH
 Nominal Source/Load Impedance = 50Ω
 Package Style SMP-53

11/29/99