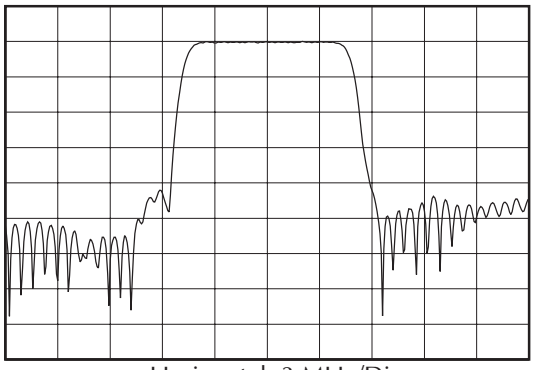
SAWTEK INCORPORATED

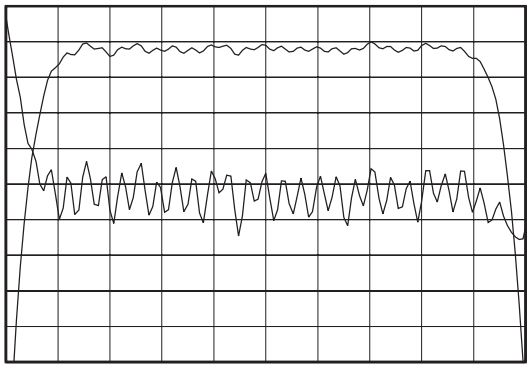
Data Sheet

150 MHz Bandpass Filter
8 MHz Bandwidth
Part Number 855678

Typical Performance



Horizontal: 3 MHz/Div
Vertical: 10 dB/Div

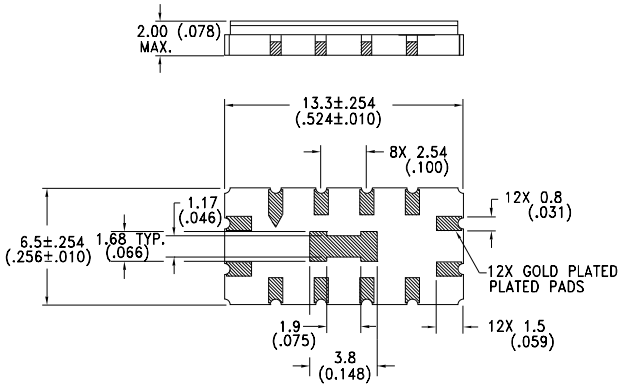


Horizontal: 1 MHz/Div
Vertical: 1 dB/Div
Vertical: 40 nsec/Div

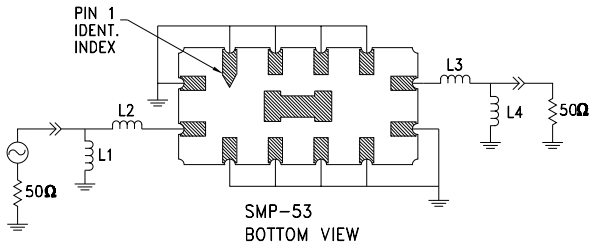
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	150	-
Insertion Loss	dB	-	12.1	14
1 dB Lower Frequency	MHz	-	145.8	146
1 dB Upper Frequency	MHz	154	154.3	-
35 dB Lower Frequency	MHz	142.875	144.6	-
35 dB Upper Frequency	MHz	-	155.8	157.125
Amplitude Variation	dB p-p	-	0.35	0.75
Phase Ripple	deg p-p	-	4.1	7
Group Delay Variation	nsec	-	36	150
Absolute Delay	µsec	-	1.45	1.8
Input/Output VSWR	-	-	1.55:1	1.8:1
Substrate Material	-	-	$LiTaO_3$	-
Ambient Temperature	°C	-	25	-

Package Outline



Matching Configuration



L1 = 33 nH , L2 = 22 nH
L3 = 27 nH , L4 = 33 nH
Nominal Source/Load Impedance = 50 Ω
Package Style SMP 53

12/3/99

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