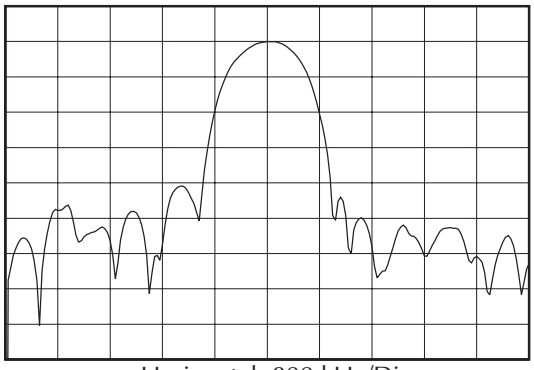
SAWTEK INCORPORATED

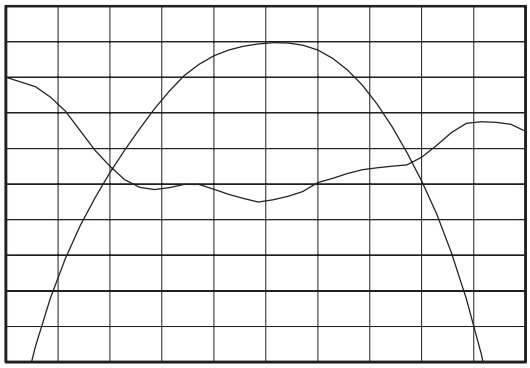
Data Sheet

110.592 Low-Loss Filter
1 MHz Bandwidth
Part Number 855659

Typical Performance



Horizontal: 800 kHz/Div
Vertical: 10 dB/Div



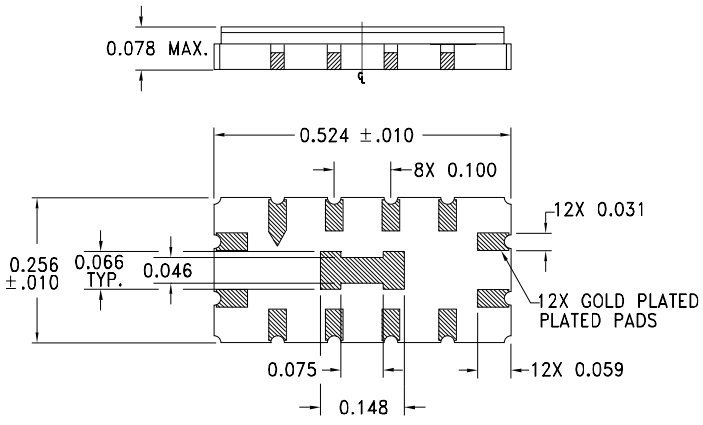
Horizontal: 140 kHz/Div
Vertical: 1 dB/Div
Vertical: 100 nsec/Div

Specifications

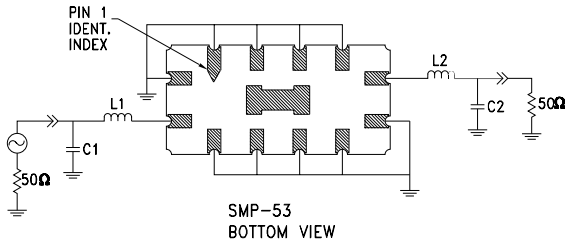
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	110.592	-
Insertion Loss	dB	4.7	6.52	7.7
3 dB Bandwidth	MHz	-	0.79	1
30 dB Bandwidth	MHz	-	1.83	2.6
40 dB Bandwidth	MHz	-	2	4.8
Amplitude Ripple (110.442 - 110.742 MHz)	dB	-	0.25	0.6
Group Delay Variation(110.392 - 110.792 MHz)	nsec	-	100	150
Triple Transit Level	dB	32	38	-
Input/Output Return Loss (fo ± 200 kHz)	dB	7.5	10	-
Substrate Material	-	-	Quartz	-
Operating Temperature Range	°C	-40	25	85

Package Outline

Specifications subject to change or obsolescence without notice.



Matching Configuration



L1 = 172 nH , L2 = 150 nH
C1 = 39 pf , C2 = 56 pf
Nominal Source/Load Impedance = 50 Ω
Package Style SMP 53

6/29/00

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