SAWTEK INCORPORATED

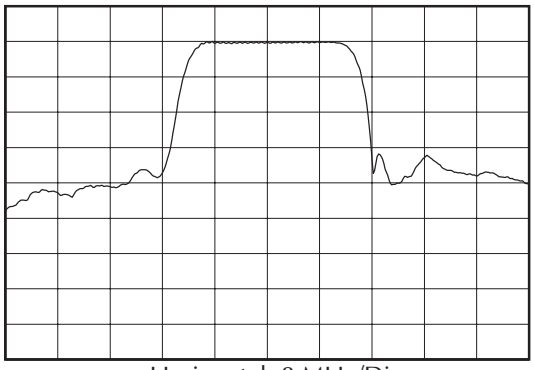
Data Sheet

398 MHz Bandpass Filter

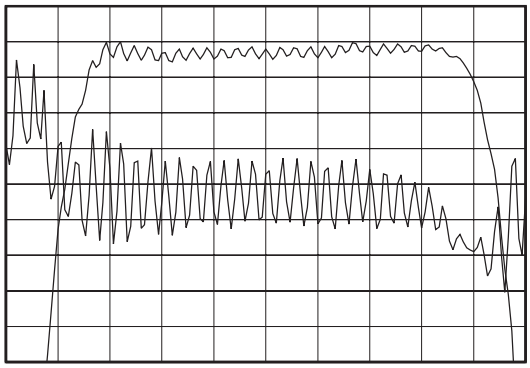
15 MHz Bandwidth

Part Number 855559

Typical Performance



Horizontal: 8 MHz/Div
Vertical: 10 dB/Div

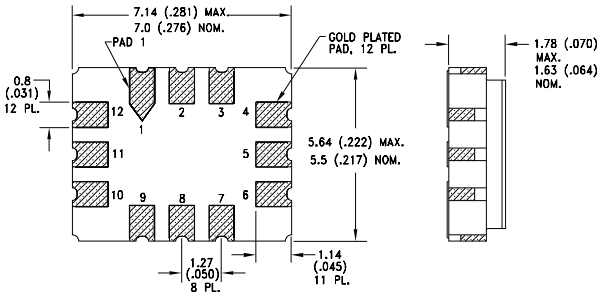


Horizontal: 3 MHz/Div
Vertical: 1 dB/Div
Vertical: 20 nsec/Div

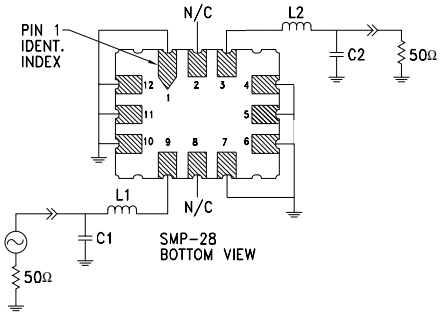
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	398	-
Insertion Loss @ 398 MHz	dB	-	7.5	11
1 dB Bandwidth	MHz	15	22	-
30 dB Bandwidth	MHz	-	32	60
Amplitude Variation ($f_o \pm 2.15$ MHz)	dB	-	0.4	0.7
Group Delay Variation ($f_o \pm 2.15$ MHz)	nsec	-	40	100
Substrate Material	-	-	YZ $LiNbO_3$	-
Operating Temperature Range	°C	-30	25	70

Package Outline



Matching Configuration



L1 = 25 nH , L2 = 27 nH
C1 = 12 pf , C2 = 12 pf
Nominal Source/Load Impedance = 50 Ω
Package Style SMP 28

12/2/99

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