SAWTEK INCORPORATED

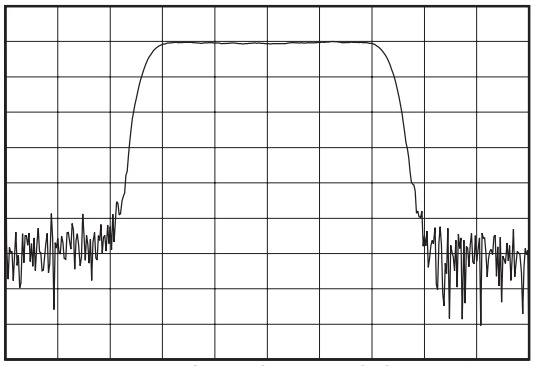
Data Sheet

70 MHz Bandpass Filter

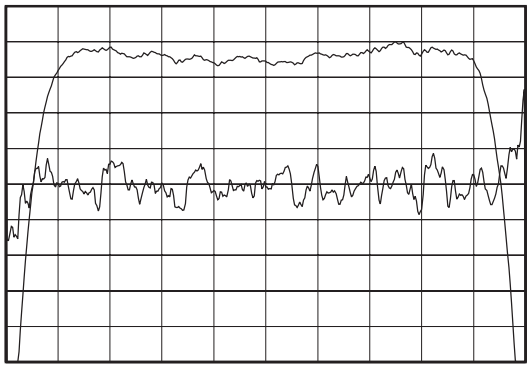
26 MHz Bandwidth

Part Number 851851

Typical Performance



Horizontal: 6 MHz/Div
Vertical: 10 dB/Div

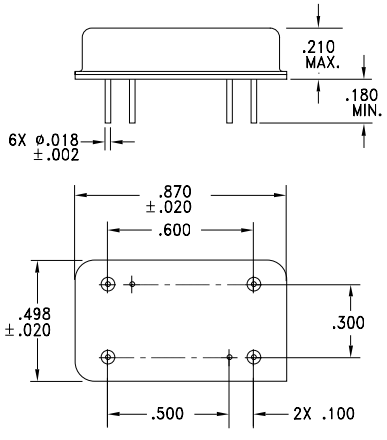


Horizontal: 3 MHz/Div
Vertical: 1 dB/Div
Vertical: 10 nsec/Div

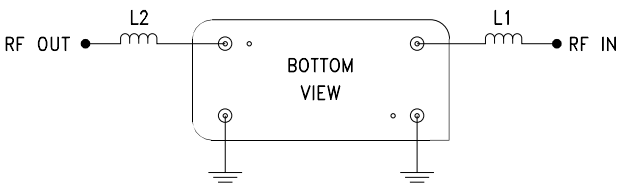
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss	dB	-	24.3	25.5
1 dB Bandwidth	MHz	24.5	24.87	-
3 dB Bandwidth	MHz	26	26.63	-
40 dB Bandwidth	MHz	-	33	34
Passband Variation	dB	-	0.62	1
Phase Linearity	deg	-	3.7	6
Group Delay Variation	nsec	-	20	35
Absolute Delay	µsec	-	1.24	-
Ultimate Rejection	dB	50	55	-
Substrate Material	-	-	128 $LiNbO_3$	-
Ambient Temperature	°C	-	25	-

Package Outline



Matching Configuration



L1 = 330nH L2 = 280 nH
Component Values May Vary
Nominal Source/Load Impedance = 50Ω
Package Style I

11/17/99

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