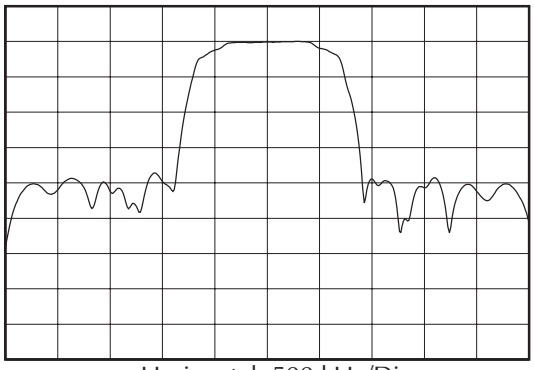
SAWTEK INCORPORATED

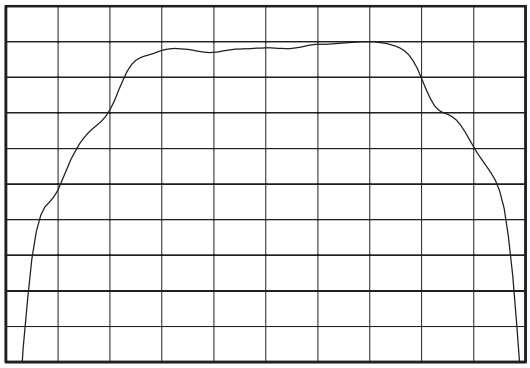
Data Sheet

85.380 MHz Bandpass Filter
1.260 MHz Bandwidth
Part Number 855845

Typical Performance



Horizontal: 500 kHz/Div
Vertical: 10 dB/Div

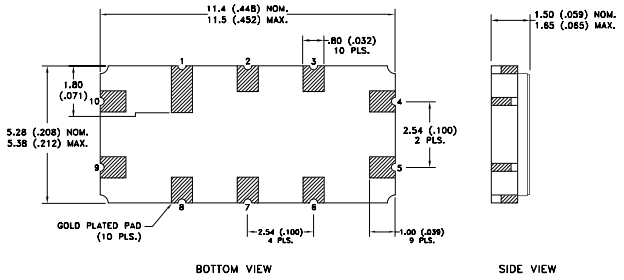


Horizontal: 150 kHz/Div
Vertical: 1 dB/Div

Specifications

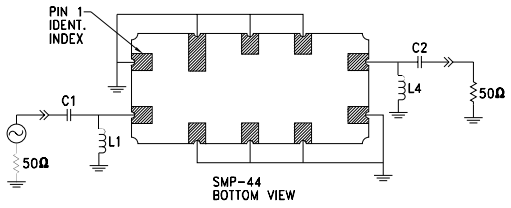
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	85.38	-
Insertion Loss	dB	-	9	12
Attenuation @ f_o ± 0.630 MHz	dB	-	4	5
Attenuation @ f_o ± 0.9 MHz	dB	33	42	-
Attenuation @ f_o ± 1.25 MHz	dB	33	48	-
Attenuation @ f_o ± 1.7 MHz	dB	33	48	-
Attenuation @ f_o ± 2.05 MHz	dB	33	43	-
Amplitude Variation (f_o ± 0.300 MHz)	dB p-p	-	0.43	0.7
Phase Linearity (f_o ± 0.630 MHz)	deg rms	-	1.6	3.5
Ultimate Rejection	dB	45	55	-
Source/Load Characteristics	Ω	-	1KΩ / 500Ω Single-ended or Differential	-
Substrate Material		-	Quartz	-
Operating Temperature Range	°C	-30	25	80

Package Outline



BOTTOM VIEW SIDE VIEW

Matching Configuration



L1 = 165 nH , L2 = 165 nH
C1 = 6 pf , C2 = 6 pf
Nominal Source/Load Impedance = 50Ω
Package Style SMP-44

Specifications subject to change or obsolescence without notice.

5/23/02

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