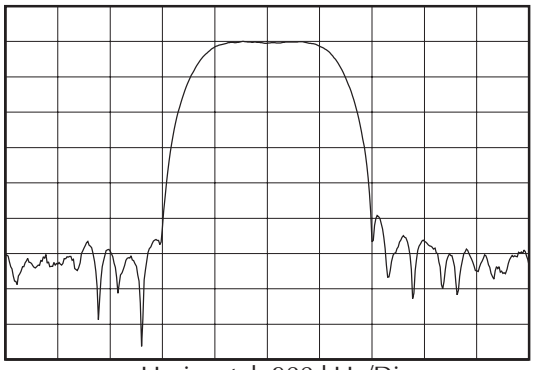
SAWTEK INCORPORATED

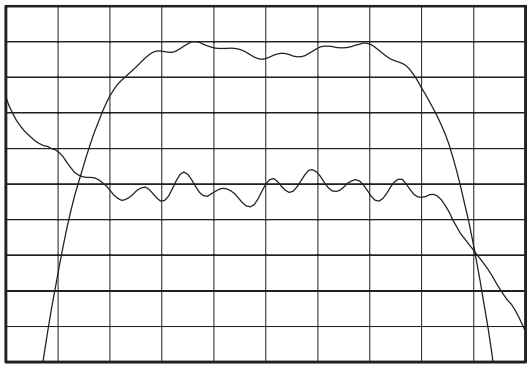
Data Sheet

114.99 MHz Bandpass Filter
1.4 MHz Bandwidth
Part Number 855783

Typical Performance



Horizontal: 900 kHz/Div
Vertical: 10 dB/Div



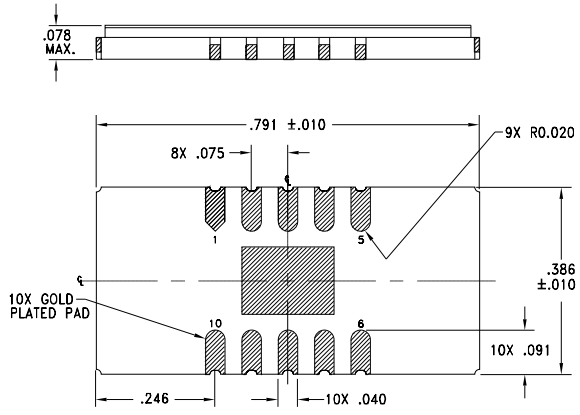
Horizontal: 300 kHz/Div
Vertical: 1 dB/Div
Vertical: 2 deg/Div

Specifications

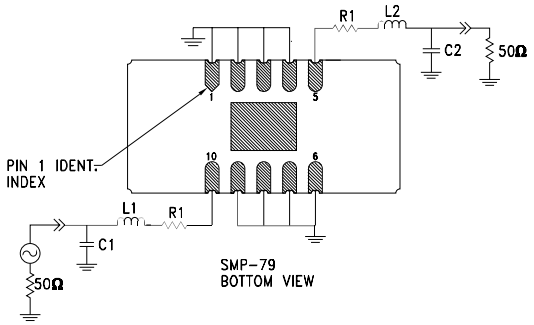
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	114.99	-
Insertion Loss	dB	-	21	25
.5 dB Lower Frequency	MHz	-	114.262	114.29
.5 dB Upper Frequency	MHz	115.69	115.732	-
50 dB Lower Frequency	MHz	112	113.197	-
50 dB Upper Frequency	MHz	-	116.804	118
Amplitude Ripple(114.375 - 115.605 MHz)	dB p-p	-	0.3	0.65
Phase Linearity(114.375 - 115.605 MHz)	deg p-p	-	2	5
Input / Output Return Loss	dB	9	16	-
Triple Transit Suppression	dB	30	40	-
Substrate Material	-	-	Quartz	-
Temperature Range	°C	-40	25	85

Package Outline

Specifications subject to change or obsolescence without notice.



Matching Configuration



L1 = 150 nH , L2 = 150 nH , C1 = 56 pf
C2 = 33 pf , R1 = 2.2 Ω , R2 = 18 Ω
Nominal Source/Load Impedance = 50Ω
Package Style SMP 79 4/19/00

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