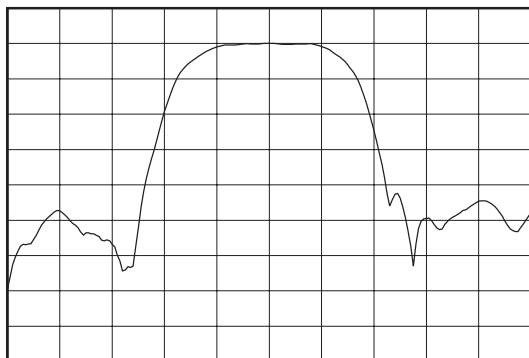


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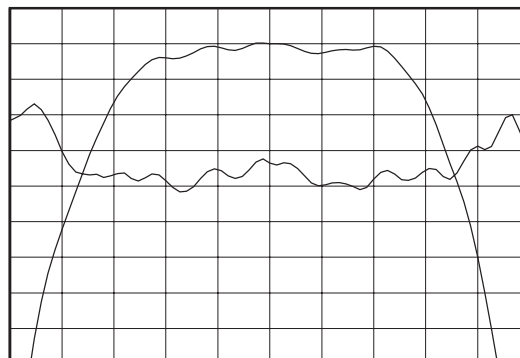
Preliminary Specifications

333.000 MHz Bandpass Filter
1 MHz Bandwidth
Part Number 855803

Typical Performance



Horizontal: 400 kHz/Div
 Vertical: 10 dB/Div

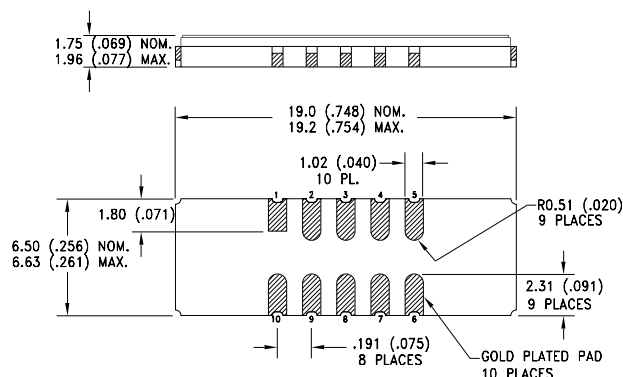


Horizontal: 150 kHz/Div
 Vertical: 1 dB/Div
 Vertical: 300 nsec/Div

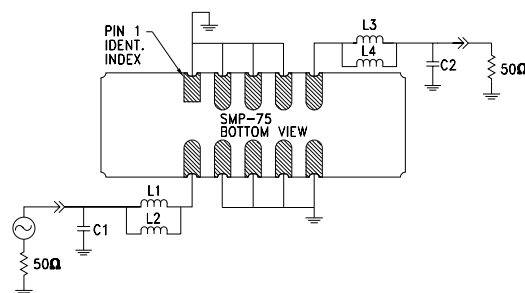
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency, f_o (@ 3dB)	MHz	-	333	-
Insertion Loss	dB	-	10.5	14
3 dB Bandwidth	MHz	1	1.02	-
20 dB Bandwidth	MHz	-	1.57	1.65
30 dB Bandwidth	MHz	-	1.7	1.9
40 dB Bandwidth	MHz	-	1.84	2.32
Group Delay Variation ($f_o \pm 0.5$ MHz)	nsec	-	281	330
Amplitude Ripple (over 1 dB Bandwidth)	dB p-p	-	0.77	1
Stopband Rejection (20 to 327 MHz)	dB	50	54.5	-
Stopband Rejection (327 to 330.5 MHz)	dB	45	50.1	-
Stopband Rejection (335.5 to 339 MHz)	dB	45	48.35	-
Stopband Rejection (339 to 400 MHz)	dB	50	57.6	-
Substrate Material	-	-	Quartz	-
Operating Temperature Range	°C	-40	25	+85

Package Outline



Matching Configuration



$L1 = 8$ nH, $L2 = 15$ nH, $L3 = 12$ nH, $L4 = 4$ nH,
 $C1 = 33$ pF, $C2 = 39$ pF
 Nominal Source / Load Impedance = 50 Ω
 Package Style = SMP-75