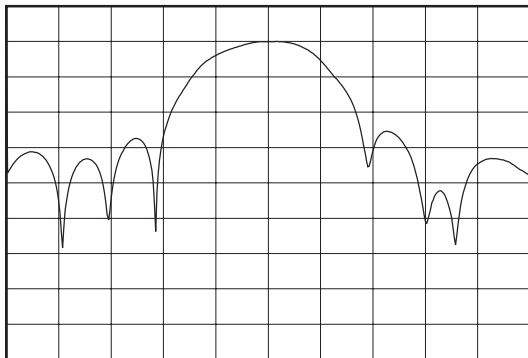
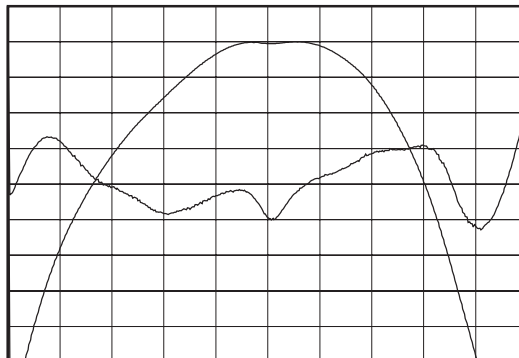


Preliminary Specifications

Typical Performance



Horizontal: 200 kHz/Div
 Vertical: 10 dB/Div

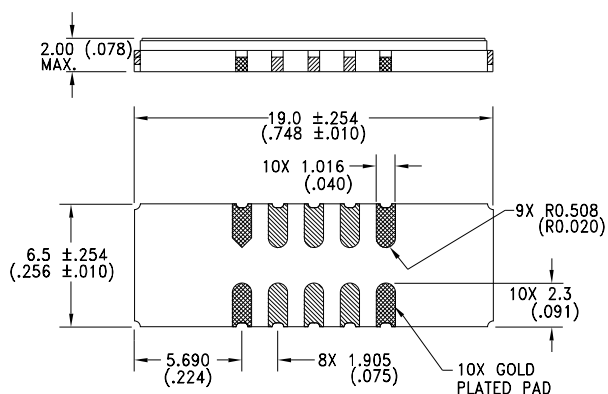


Horizontal: 60 kHz/Div
 Vertical: 1 dB/Div
 Vertical: 210 nsec/Div

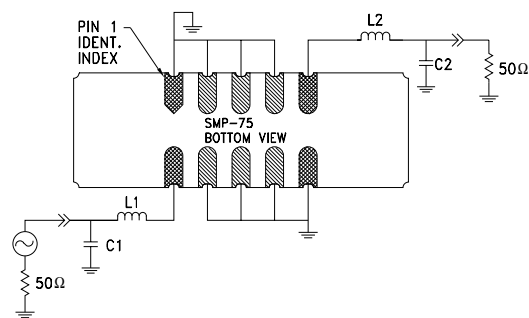
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	87	-
Insertion Loss ($87 \pm .075$ MHz)	dB	-	5.2	7
3.5 dB Bandedges	MHz	-	$\pm .182$	$\pm .2$
20 dB Bandedges	MHz	-	$\pm .35$	$\pm .4$
25 dB Bandedges	MHz	-	$\pm .371$	$\pm .6$
28 dB Bandedges	MHz	-	-	$\pm .8$
Amplitude Variation ($87 \pm .075$ MHz)	dB p-p	-	0.62	1
Absolute Group Delay ($87 \pm .075$ MHz)	μ sec	-	2.3	2.4
Group Delay Variation ($87 \pm .075$ MHz)	nsec	-	230	350
Input and Output VSWR	dB	-	1.2	1.7
Ultimate Rejection 30 to 85.4 MHz	dB	34	47	-
Ultimate Rejection 88.6 to 180 MHz	dB	34	46	-
Ultimate Rejection 180 to 2000 MHz	dB	50	60	-
Substrate Material		-	Quartz	-
Temperature Range	$^{\circ}$ C	-5	25	70

Package Outline



Matching Configuration



$L1 = 247$ nH, $L2 = 190$ nH
 $C1 = 53$ pF, $C2 = 54$ pF
 Nominal Source/Load Impedance = 50 Ω
 Package Type SMP-75

10/20/99