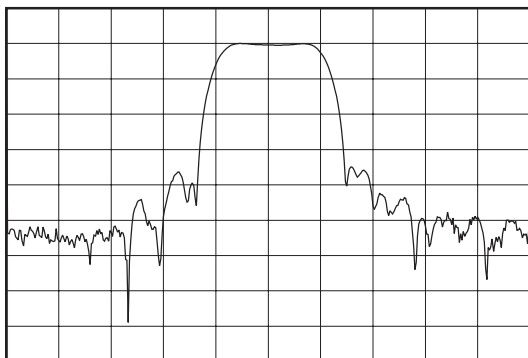
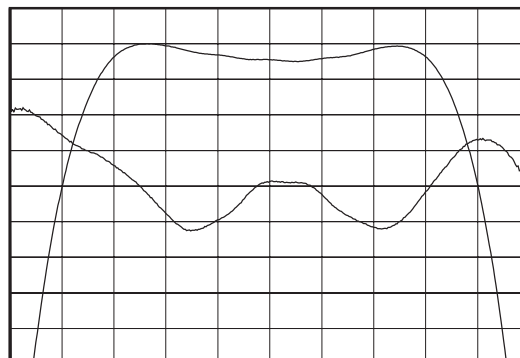


Typical Performance



Horizontal: 800 kHz/Div
Vertical: 10 dB/Div

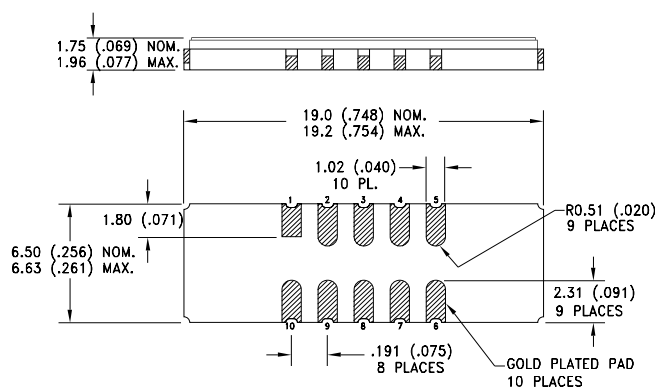


Horizontal: 200 kHz/Div
Vertical: 1 dB/Div
Vertical: 2 deg/Div

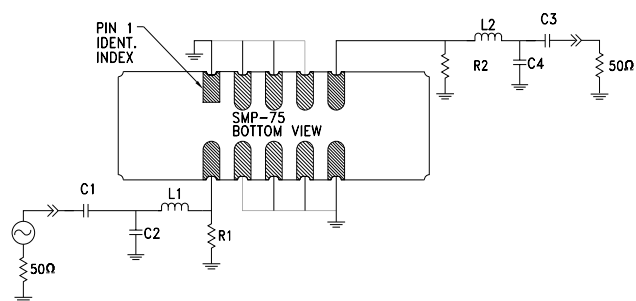
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	160	-
Insertion Loss at F_o	dB	-	19.5	25
0.5 dB Bandedge	MHz	-	159.354	159.41
0.5 dB Bandedge	MHz	160.59	160.668	-
30 dB Bandedge	MHz	157.75	158.916	-
30 dB Bandedge	MHz	-	161.116	162.25
Passband Ripple	dB	-	0.55	0.9
Phase Linearity	deg	-	3	10
Triple Transit Suppression	dB	30	56.5	-
Input/Output VSWR	-	-	1.25:1	1.5:1
Substrate Material	-	-	Quartz	-
Operating Temperature Range	°C	0	25	80

Package Outline



Matching Configuration



$L1 = 100\text{nH}$, $L2 = 82\text{nH}$, $R1 = 1\text{k}\Omega$, $R2 = 1\text{k}\Omega$
 $C1 = 150\text{pF}$, $C2 = 33\text{pF}$, $C3 = 150\text{pF}$, $C4 = 39\text{pF}$
 Nominal Source/Load Impedance = $50\ \Omega$
 Package Style SMP-75

03/09/04