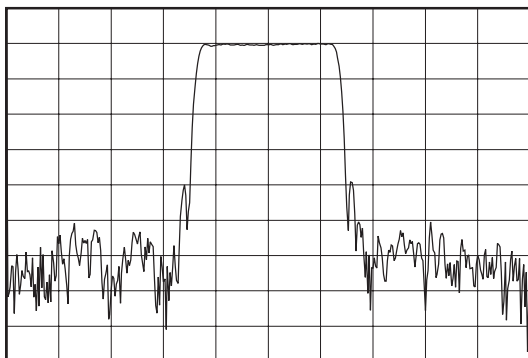
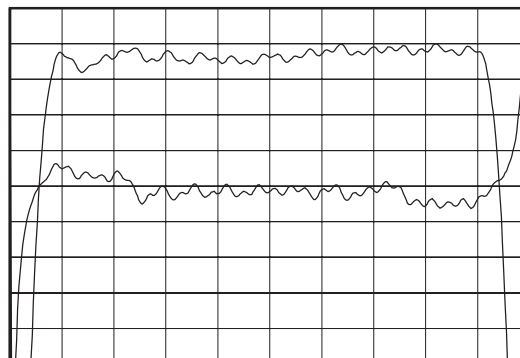


Typical Performance



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



Horizontal: 150 kHz/Div
Vertical: 1 dB/Div
Vertical: 5 deg/Div

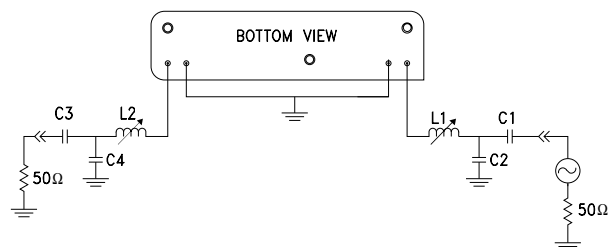
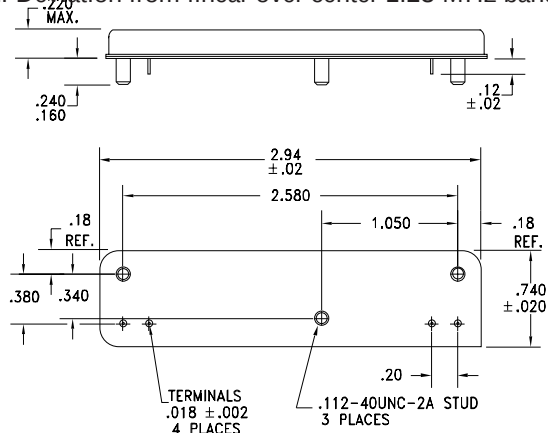
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	69.99	-
Insertion Loss at F_0	dB	-	21	22
Lower 1.5 dB Point	MHz	-	69.345	69.36
Upper 1.5 dB Point	MHz	70.62	70.635	-
Lower 35 dB Point	MHz	69.24	69.253	-
Upper 35 dB Point	MHz	-	70.727	70.74
Passband Ripple	dB	-	0.5	1
Phase Linearity ¹	deg	-	3	10
Ultimate Rejection @ ± 0.900 MHz	dB	50	55	-
Triple Transit Suppression	dB	30	40	-
Substrate Material	-	-	Quartz	-
Temperature Range	°C	-5	25	65

Package Outline

Matching Configuration

Note 1: Deviation from linear over center 1.23 MHz bandwidth



$L1 \approx 250\text{nH}$, $L2 \approx 250\text{nH}$, $C1 = 12\text{pF}$
 $C2 = 22\text{pF}$, $C3 = 9\text{pF}$, $C4 = 22\text{pF}$
 Nominal Source/Load Impedance = 50Ω
 Package Style V

11/30/99