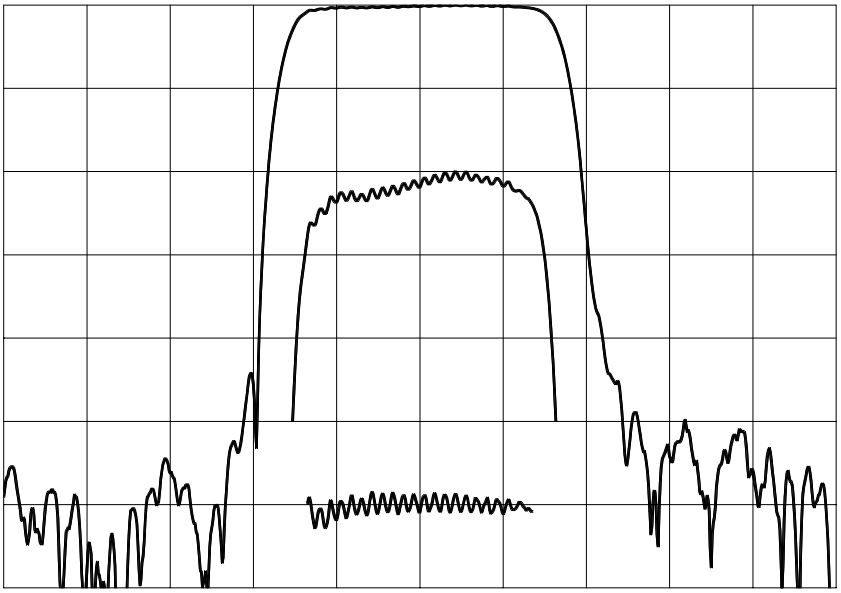
TYPICAL PERFORMANCE



Horizontal: 4 MHz/div	Vertical (from top):	Magnitude	10,1	dB/div
		Group Delay Deviation	100	ns/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) [1]	139.6	140.0	140.4	MHz
Insertion Loss		10.4	12.5	dB
1 dB Bandwidth	10.2	11.7		MHz
3 dB Bandwidth	12.0	12.7		MHz
35 dB Bandwidth		16.1	21.3	MHz
Passband Ripple [2]		0.74	1.0	dB p-p
Phase Ripple [2]		10	15	deg p-p
Group Delay Ripple [2]		50	120	ns p-p
Absolute Delay		1.0		us
Ultimate Rejection	40	47		dB
Temperature Coefficient of Frequency		-90		ppm/ºC
Substrate Material		YZ Lithium Niobate		
Source and Load Impedance		50		Ω
Ambient Temperature		25		ºC

Notes: 1. Average of lower and upper 3 dB frequencies.
2. Measured over 90% of the 3 dB bandwidth.
3. Typical change of filter frequency response with temperature is $\Delta f/f_{ref} = (T-T_{ref})*Tc$ ppm.

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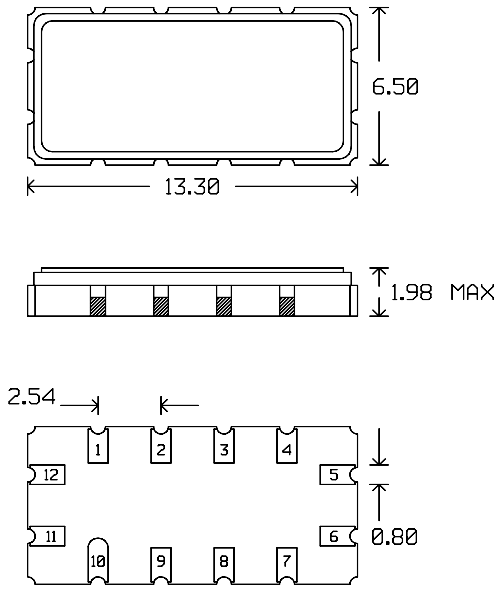
PACKAGE OUTLINE

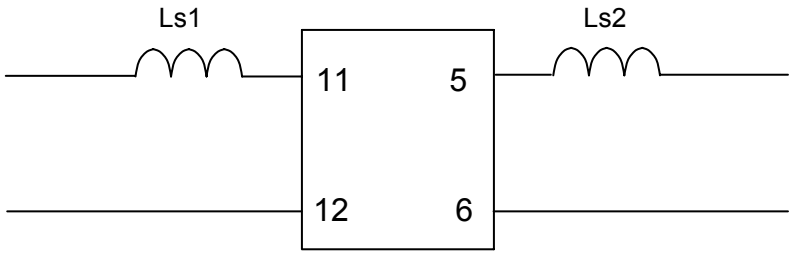


Units: mm

Pin Configuration:

Input:	11
Input Return:	12
Output:	5
Output Return:	6
Ground:	All other pins

MATCHING CIRCUIT



Component values:

Ls1 = 120 nH Ls2 = 82 nH (Minimum Q = 45)

Notes

1. Recommended component tolerance: 5%
2. Optimum values may change depending on board layout. The values shown here are intended as a guide only.

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