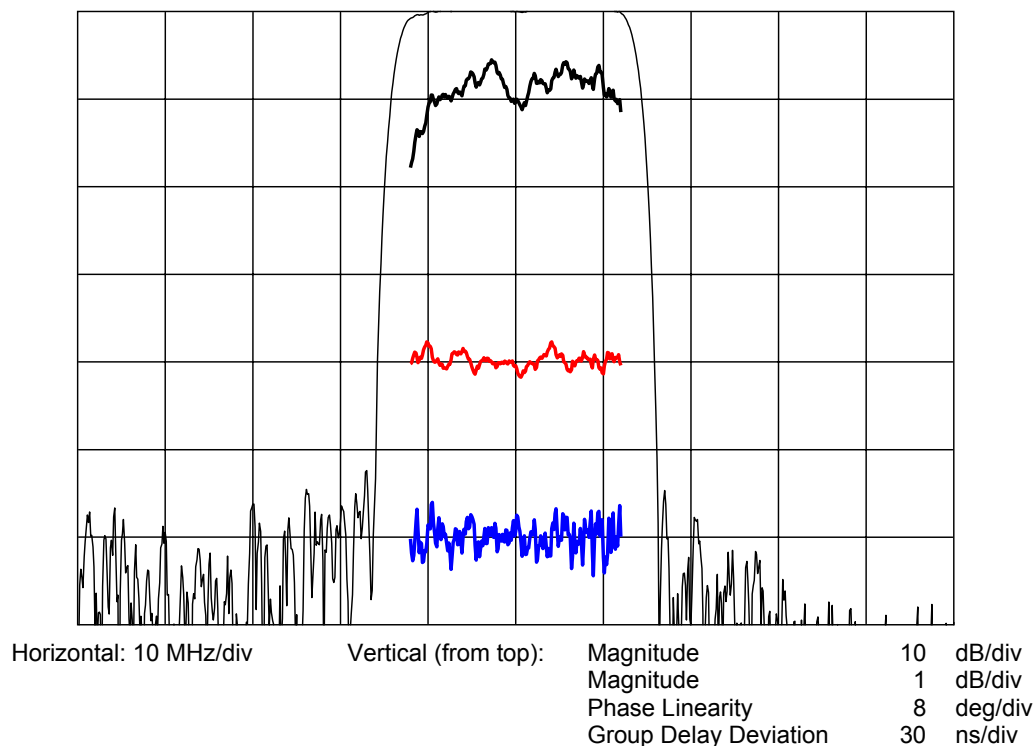


TYPICAL PERFORMANCE

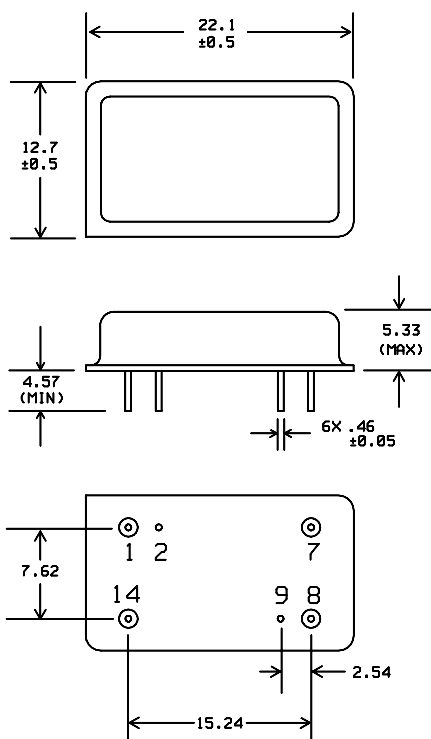


SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.8	70.0	70.2	MHz
Insertion Loss at Fc		22.4	25.5	dB
1 dB Bandwidth ²	24.5	24.56		MHz
3 dB Bandwidth	26.0	26.1		MHz
40 dB Bandwidth		31.4	34	MHz
Passband Ripple ³		0.5	1.0	dB p-p
Phase Ripple		3.5	6	deg p-p
Group Delay Ripple		30	35	ns p-p
Absolute Delay		1.4		us
Ultimate Rejection	50	60		dB
Substrate Material	128 Lithium Niobate			
Ambient Temperature		25		° C

- Notes:
1. Average of the lower and upper 3 dB band edge frequencies.
 2. Relative to level at Fc.
 3. Excludes band edge transitions.
 4. A smoothing aperture of 250 kHz may be applied to Group Delay Ripple measurement.

PACKAGE OUTLINE

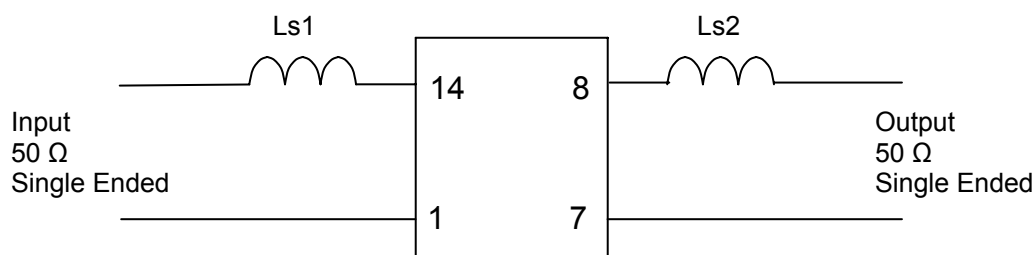


Units: mm

Pin Configuration:

Input: 14
 Input Return: 1
 Output: 8
 Output Return: 7
 Ground: 2, 9

MATCHING CIRCUIT



Component values: Ls1 = 397 nH
 (Minimum Q = 45)

Ls2 = 338 nH

Notes

- Recommend use of 2% tolerance components.
- Tuning values shown are for reference only. Optimum values may change depending upon board layout.

ISO 9001
 Registered

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