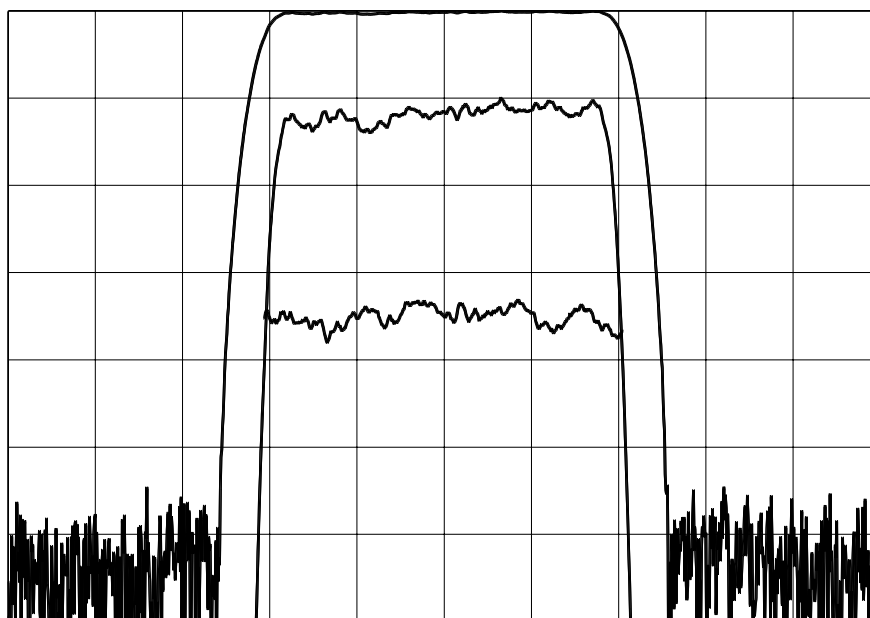


TYPICAL PERFORMANCE



Horizontal: 5.0 MHz/div	Vertical (from top):	Magnitude	10 dB/div
		Magnitude	1 dB/div
		Phase	5 deg/div

SPECIFICATION

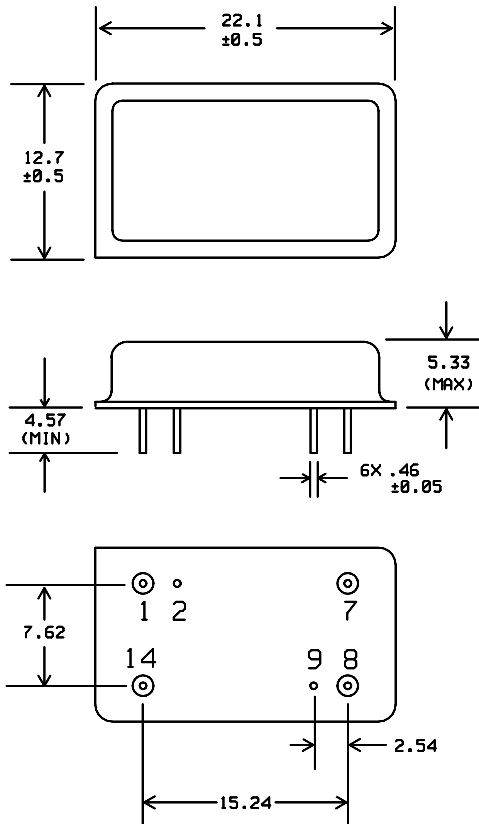
Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.8	70.0	70.2	MHz
Insertion Loss at Fc		25.2	27.0	dB
1 dB Bandwidth	19.3	19.4		MHz
3 dB Bandwidth	20	20.7		MHz
40 dB Bandwidth		25.1	25.4	MHz
Passband Ripple		0.4	0.7	dB
Phase Ripple		2	4	deg p-p
Group Delay Ripple		30	45	ns p-p
Absolute Delay		1.25		us
Ultimate Rejection	50	55		dB
Substrate Material	128 Lithium Niobate			
Ambient Temperature		25		° C

Notes:

1: Mean Value of 3 dB points

2: A smoothing aperture of 250 kHz may be applied to Group Delay Ripple measurement

PACKAGE OUTLINE

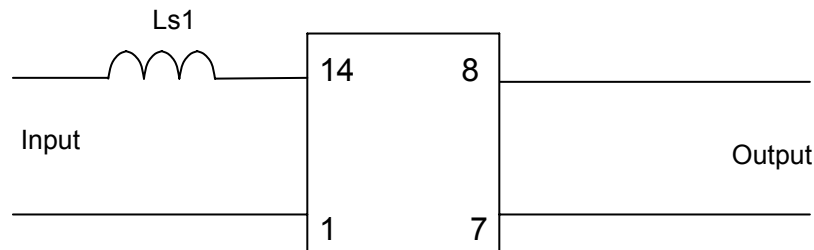


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values:

$L_{s1} = 276 \text{ nH}$

(Minimum Q = 45)

Notes

- 1: Recommend use of 2% tolerance components.
- 2: Optimum Values depend on board layout. Values intended as guide only.

ISO 9001
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