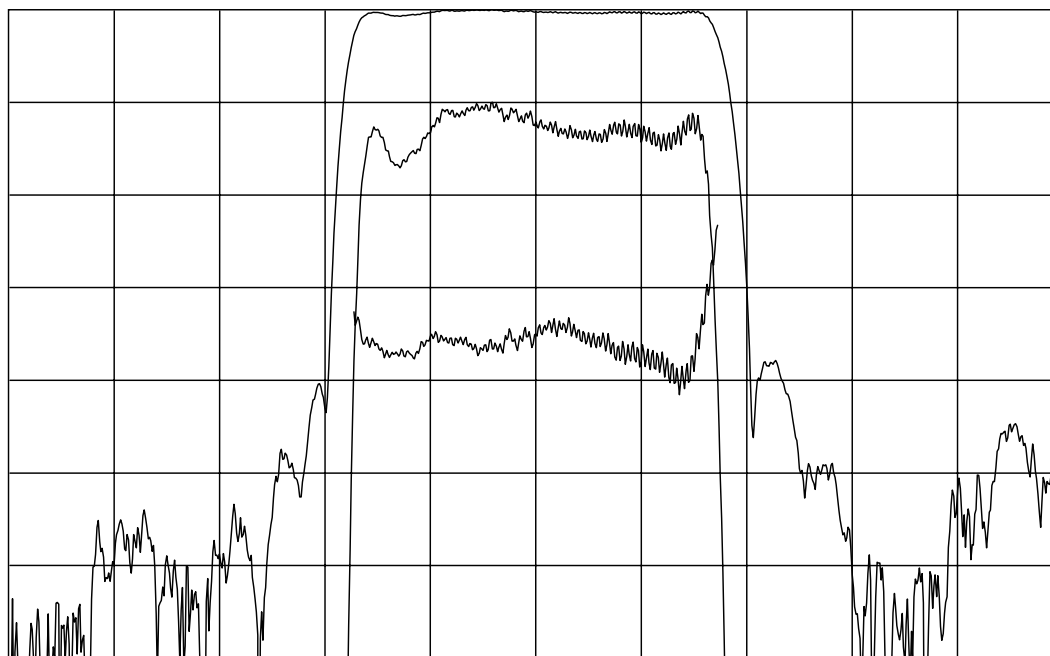




TYPICAL PERFORMANCE



Horizontal: 10 MHz/div

 Vertical (from top): Magnitude
 Magnitude
 Phase

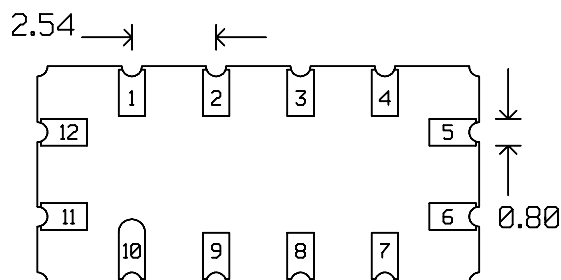
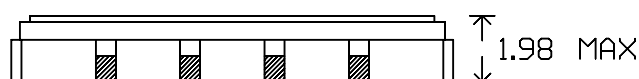
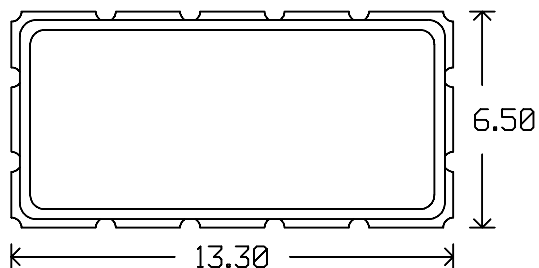
 10 dB/div
 1 dB/div
 5 deg/div

SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	69.80	70.00	70.20	MHz
Insertion Loss		18.5	20	dB
1 dB Bandwidth	31.00	32.70		MHz
3 dB Bandwidth	34.00	34.40		MHz
35 dB Bandwidth		40.4	54.00	MHz
Passband Ripple ²		0.7	1.0	dB p-p
Phase Ripple ²		3.8	7	deg p-p
Group Delay Variation ²		15	50	ns p-p
Absolute Delay		1.08	1.10	us
Rejection (20 MHz to 40 MHz)	45	54		dB
Rejection (100 MHz to 120 MHz)	40	44		dB
Source and Load Impedance		50		Ω
Temperature coefficient of frequency		-90		ppm/°C
Operating Temperature		23		° C

Notes: 1. Mean value of 3 dB points.
 2. Measured in central 80% of 3 dB bandwidth.

PACKAGE OUTLINE

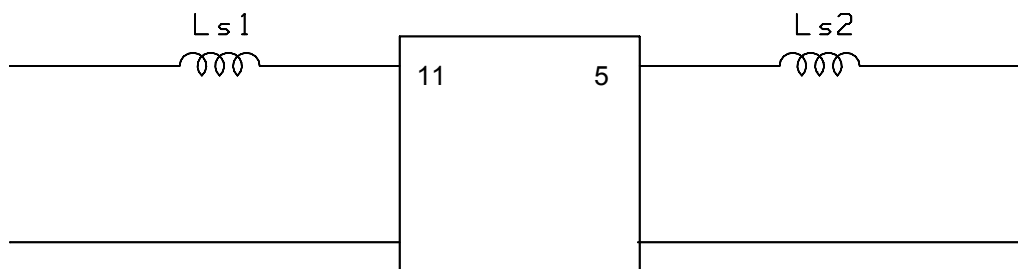


Units: mm

Pad Configuration:

Input: 11
Output: 5
Ground: All other pads

MATCHING CIRCUIT



Typical component values: $L_{s1} = 270 \text{ nH}$ $L_{s2} = 120 \text{ nH}$

(minimum inductor $Q = 40$)

Notes

- Recommend use of 2% matching components.
- Optimum values depend on board layout. Values intended as guide only.

ISO 9001
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