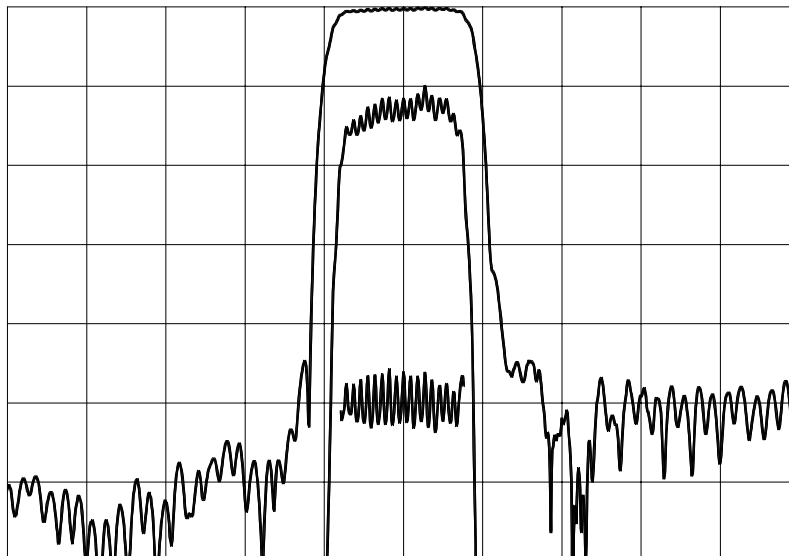


TYPICAL PERFORMANCE



Horizontal: 5 MHz/div

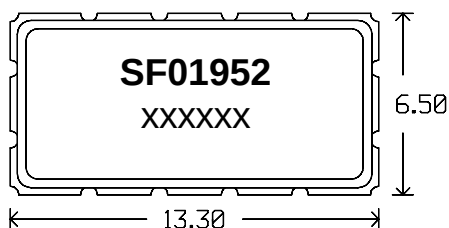
Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Group Delay 100 ns/div

SPECIFICATION

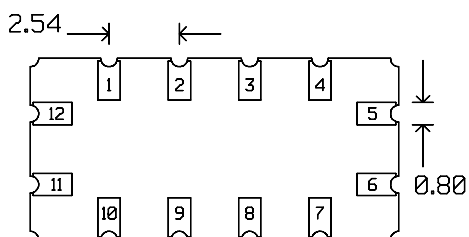
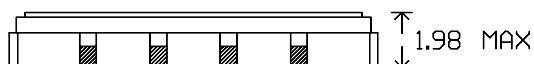
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹		150.0		MHz
Insertion Loss		10	12	dB
1 dB Bandwidth	7.0	8.0		MHz
3 dB Bandwidth	8.0	8.9		MHz
30 dB Bandwidth		11.1	12.3	MHz
40 dB Bandwidth		12.3	14.0	MHz
Rejection (30 MHz to 100 MHz)	50	55		dB
Rejection (100 MHz to Fc-7 MHz)	40	50		dB
Rejection (Fc+7 MHz to 270 MHz)	40	45		dB
Passband Amplitude Ripple ²		0.6	1.0	dB p-p
Delay		1.1		us
Passband Group Delay Ripple ²		80	150	ns p-p
Temperature coefficient of frequency		-90		ppm/°C
Source and Load Impedance		50		Ω

Notes: 1. Fixed reference. All specified bandwidths are centered at this frequency.
2. Over 80% of 1 dB bandwidth

PACKAGE OUTLINE



Note: - identify pin 1 by label orientation

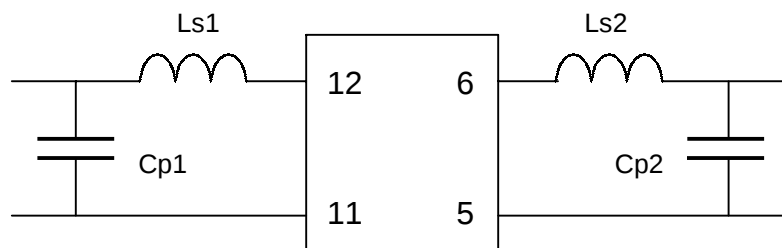


Units: mm

Pin Configuration:

Input: 12
Input Return: 11
Output: 6
Output Return: 5
Ground: 1,2,3,4,7,8,9,10

MATCHING CIRCUIT



Typical component values:
(minimum inductor Q = 40)

Ls1 = 18 nH
Cp1 = 53 pF

Ls2 = 18 nH
Cp2 = 67 pF

- Notes
- Requires 2% matching components.
 - Component values may change depending on board layout.
 - All pins other than 1,5,6 & 10 are connected together internally to the package

ISO 9001
Registered

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