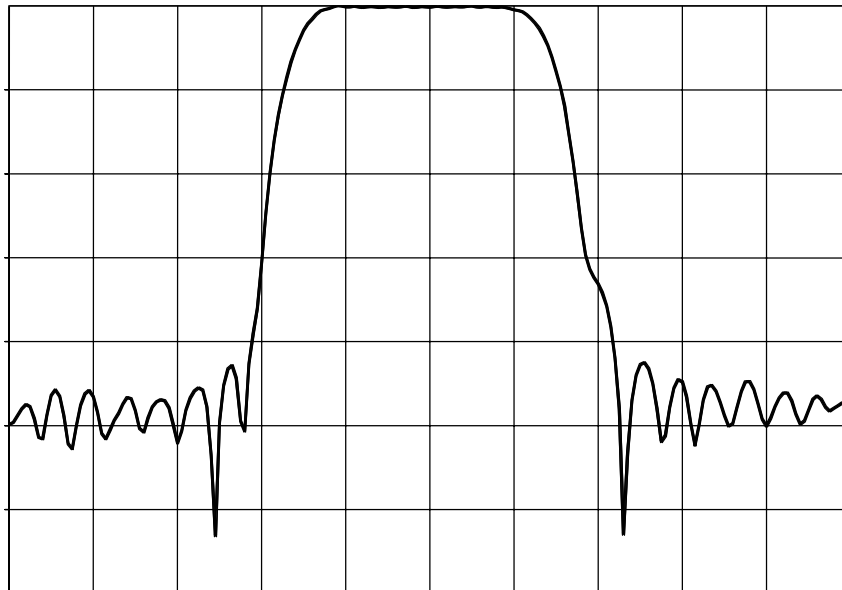


TYPICAL PERFORMANCE



Horizontal: 2.0 MHz/div

Vertical (from top): Magnitude

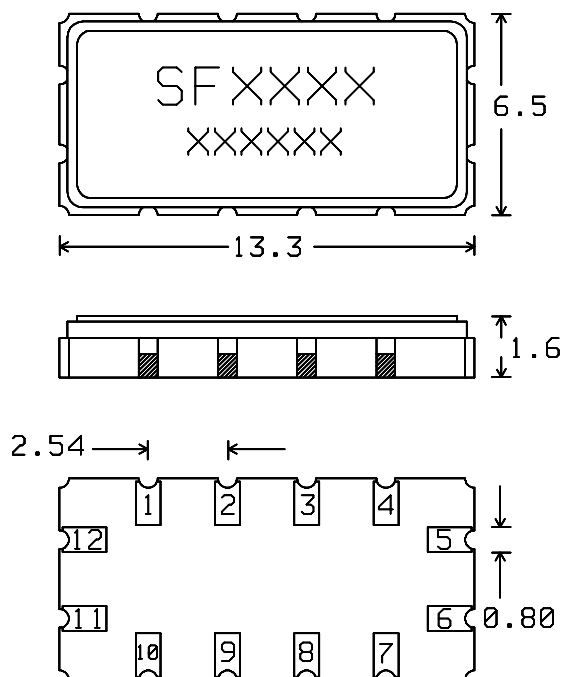
10 dB/div

SPECIFICATION

PARAMETER	Min	Typ	Max	Units
Center Frequency (F_c) ¹		261.1		MHz
Operating Bandwidth	3.84	4.8		MHz
15 dB Bandwidth		7.0	8.0	MHz
35 dB Bandwidth		8.5	16	MHz
Ultimate Rejection (F_c-40 MHz to F_c-24 MHz)	45	47		dB
Ultimate Rejection (F_c-24 MHz to F_c-8 MHz)	45	47		dB
Ultimate Rejection (F_c+8 MHz to F_c+24 MHz)	40	42		dB
Ultimate Rejection (F_c+24 MHz to F_c+40 MHz)	40	42		dB
Input Power (ave)			+0	dBm
Insertion Loss		10	13	dB
Return Loss ^{2,3}	6			dB
Source and Load Impedance		50		Ω
Passband Amplitude Ripple ²		0.5	1.0	dB p-p
Passband Group Delay Ripple ²		50	80	ns p-p
Operating Temperature Range		23		$^{\circ}$ C

Notes: 1. Fixed reference. All specified bandwidths are centered at or referenced to this frequency.
2. To be satisfied across the 3.84 MHz Operating Bandwidth.
3. When matched with optimum component values.

PACKAGE OUTLINE

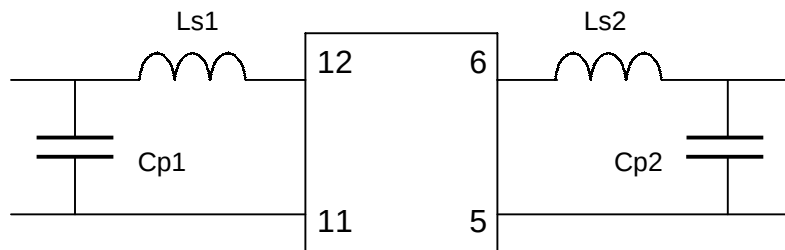


Units: mm

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 = 45)

Ls1 = 24 nH
Cp1 = 30 pF

Ls2 = 22 nH
Cp2 = 30 pF

Notes

- Requires 2% matching components.
- Component values may change depending on board layout.
- Recommended Inductors are Coilcraft 0805 series, capacitors are ATC 100 series

**ISO 9001
Registered**

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