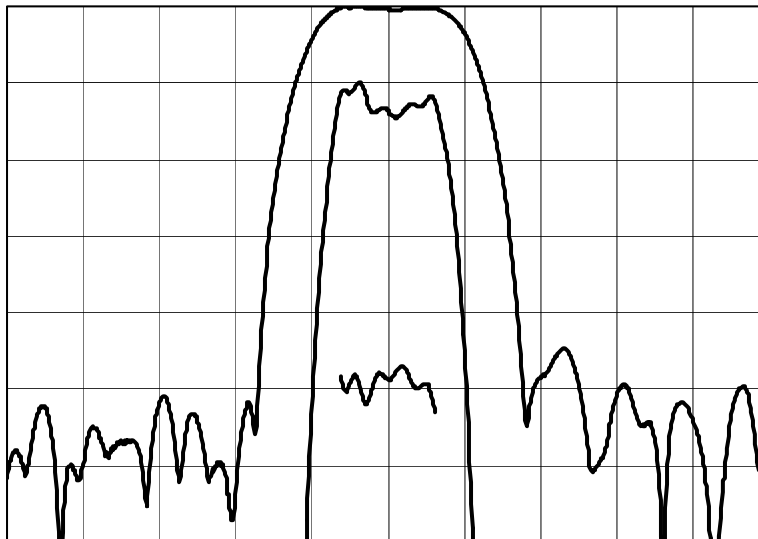


TYPICAL PERFORMANCE



Horizontal: 1 MHz/div

Vertical (from top): Magnitude 10 dB/div
Magnitude 1 dB/div
Phase 4 deg/div

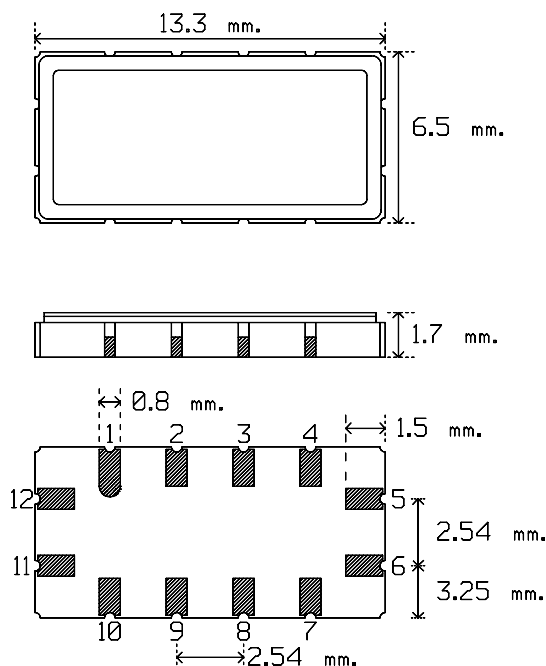
SPECIFICATION

NOTE – All electrical specifications apply over the whole of the operating temperature range.

Parameter	Min	Typ	Max	Units
Center Frequency, F_c		350		MHz
Insertion Loss at F_c		14.4	16.5	dB
1 dB Bandwidth ¹		1.6		MHz
Attenuation at 350 ± 1.25 MHz ¹	6	9.5		dB
Attenuation at 350 ± 2.25 MHz ¹	35	45		dB
Stopband Rejection, 50 – 347 MHz ¹	42	50		dB
Stopband Rejection, 353 – 500 MHz ¹	42	48		dB
Return Loss at Input and Output, 350 ± 0.625 MHz ²	10	15		dB
Passband Amplitude Ripple, 350 ± 0.625 MHz		0.5	0.7	dB p-p
Phase Linearity, 350 ± 0.625 MHz		2.4	4.0	deg p-p
Source and Load Impedance		50		Ω
Operating Temperature Range	-10		+85	$^{\circ}$ C

Notes: 1. All dB levels in this specification are to be measured relative to the average level across the pass band.
2. When matched using external components as described below.

PACKAGE OUTLINE

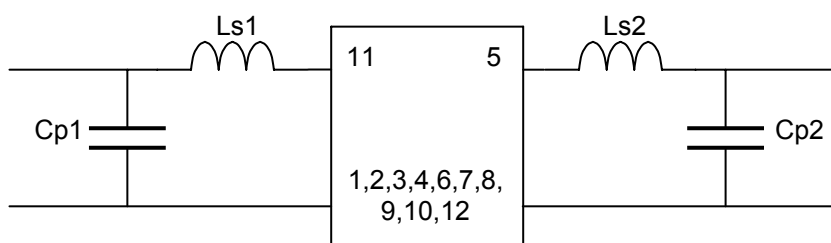


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values used in the Micro Networks test fixture:

Ls1 = 27 nH Ls2 = 22 nH
Cp1 = 18 pF Cp2 = 18 pF

Notes:

1. 2% components are recommended to ensure the return loss specification is met.
2. Component values may change depending on board layout.

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