



TYPICAL PERFORMANCE



Horizontal: 1 MHz/div

Vertical (from top):

| | | |
|-----------------|----|---------|
| Magnitude | 10 | dB/div |
| Magnitude | 1 | dB/div |
| Phase Deviation | 4 | deg/div |

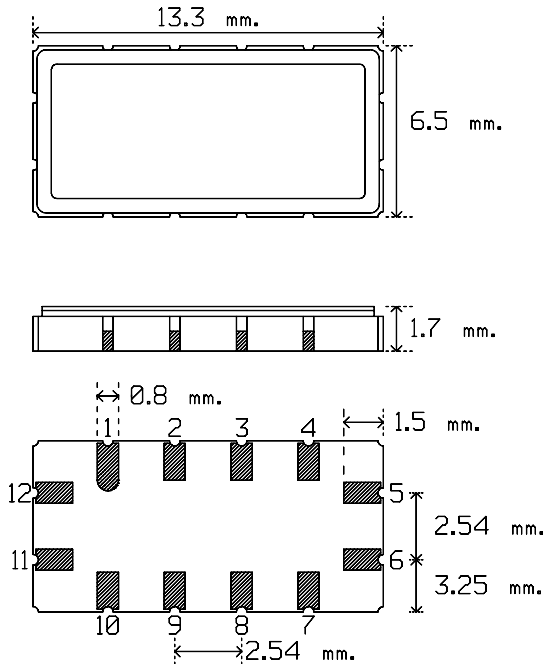
SPECIFICATION

| Parameter | Min | Typ | Max | Units |
|---|-------|------|-------|--------------|
| Insertion Loss at 350 MHz | | 14.4 | 16.5 | dB |
| Center Frequency, F_C ¹ | 349.9 | 350 | 350.1 | MHz |
| 1 dB Bandwidth ² | | 1.6 | | MHz |
| Attenuation at 350 ± 1.25 MHz ² | 6 | 9.5 | | dB |
| Attenuation at 350 ± 2.25 MHz ² | 35 | 45 | | dB |
| Stopband Rejection, 50 – 347 MHz ² | 42 | 50 | | dB |
| Stopband Rejection, 353 – 500 MHz ² | 42 | 48 | | dB |
| Return Loss at Input and Output, 350 ± 0.625 MHz ³ | 10 | 15 | | dB |
| Passband Amplitude Variation, 350 ± 0.625 MHz ⁴ | | 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. Defined as the arithmetic mean of the 10dB frequencies.
 2. dB level is measured relative to the average level across the pass band, $F_C \pm 0.625$ MHz.
 3. When matched using external components as described below.
 4. Excluding roll-off at the passband edges.



PACKAGE OUTLINE

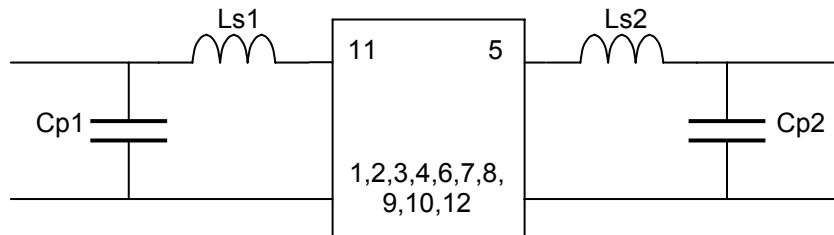


Units:

Pin Configuration:

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

MATCHING CIRCUIT



Typical component values used in the Integrated Circuit Systems 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.

