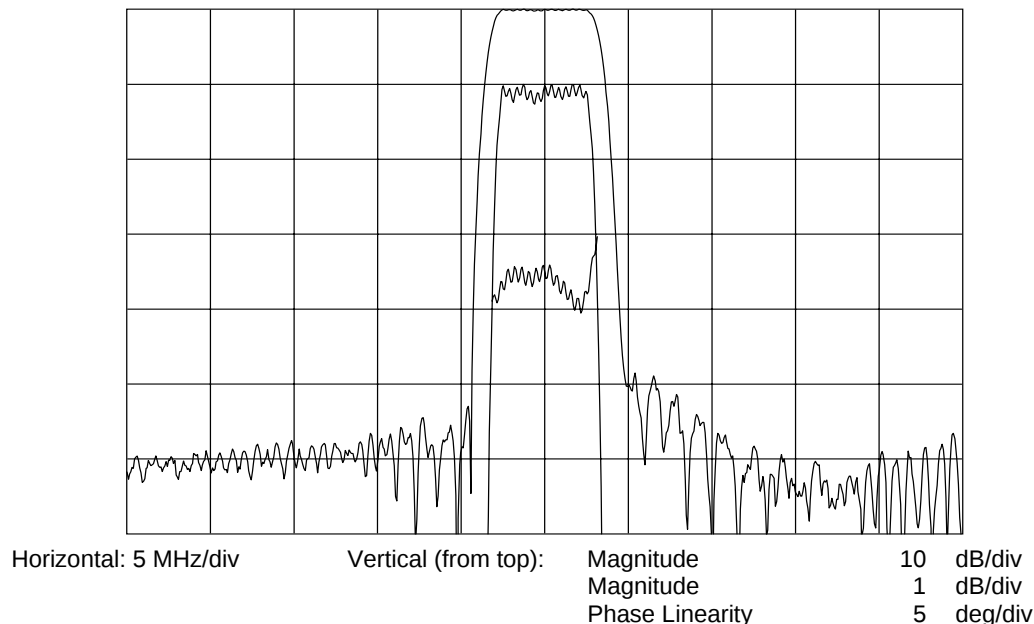




## TYPICAL PERFORMANCE



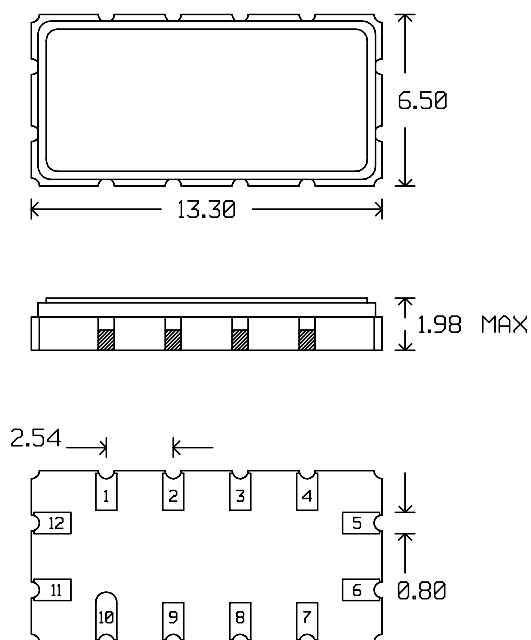
## SPECIFICATION

| Parameter                                             | Min    | Typ    | Max    | Units    |
|-------------------------------------------------------|--------|--------|--------|----------|
| Center Frequency (Fc, 3dB points)                     |        | 426.00 |        | MHz      |
| Average Insertion Loss (Fc +/- 2.58 MHz) <sup>2</sup> |        |        | 20.5   | dB       |
| Lower 0.5 dB Band Edge                                |        |        | 423.36 | MHz      |
| Upper 0.5 dB Band Edge                                | 428.52 |        |        | MHz      |
| Lower 3 dB Band Edge                                  | 422.35 |        |        | MHz      |
| Upper 3 dB Band Edge                                  |        |        | 429.65 | MHz      |
| Lower 40 dB Band edge                                 | 421.31 |        |        | MHz      |
| Upper 40 dB Band Edge                                 |        |        | 430.74 | MHz      |
| Lower 45 dB Band Edge                                 | 421.20 |        |        | MHz      |
| Upper 45 dB Band Edge                                 |        |        | 430.89 | MHz      |
| Lower 50 dB Band Edge                                 | 419.50 |        |        | MHz      |
| Upper 50 dB Band Edge                                 |        |        | 433.50 | MHz      |
| Rejection (100 to 419.5 MHz)                          | 50     |        |        | dB       |
| Rejection (433.5 to 500 MHz)                          | 50     |        |        | dB       |
| Passband Ripple                                       |        |        | 0.7    | dB       |
| Phase Ripple (423.3 to 428.7 MHz)                     |        |        | 10     | deg p-p  |
| Input VSWR at 426 MHz                                 |        |        | 5.0    | :1       |
| Output VSWR at 426 MHz                                |        |        | 2.5    | :1       |
| Triple Transit Suppression                            |        | 40     |        | dB       |
| Source and Load Impedance                             |        | 50     |        | $\Omega$ |
| Input Power                                           |        |        | +10    | dBm      |
| Operating Temperature Range                           | 0      | 23     | 70     | ° C      |

- Notes: 1. Unless noted otherwise, specifications apply @ temp range in a 50 ohm system.  
 2. All dB values are referenced to the insertion loss.



## PACKAGE OUTLINE



Units: mm

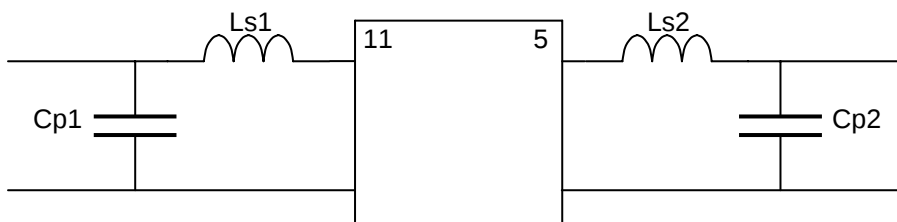
### Pad Configuration:

Input: 11

Output: 5

Ground: 1,2,3,4,6,7,8,9,10,12

## MATCHING CIRCUIT



Typical component values:

$Ls1 = 27 \text{ nH}$   
 $Cp1 = 15 \text{ pF}$

$Ls2 = 22 \text{ nH}$   
 $Cp2 = 12 \text{ pF}$

(Minimum inductor  $Q = 40$ )

### Notes

- Maximum 2% tolerance matching components shall be used.
- Tuning values shown are for reference only. Optimum values may change depending upon board layout.

ISO 9001  
Registered

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