

1. Features

- Typical 1dB bandwidth of 18.6 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

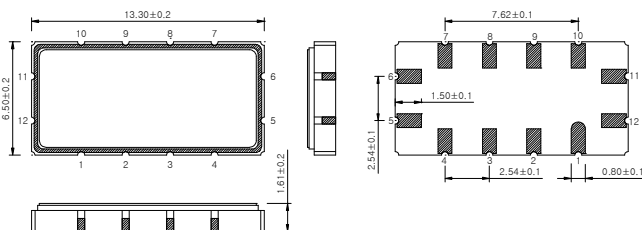
2. Electrical Specifications

Source and Load Impedance = 50Ω

| Room Temperature : +25°C | | Minimum | Typical | Maximum |
|---|---------------------|---------|---------|---------|
| Center Frequency (fo) | MHz | - | 355.0 | - |
| Insertion Loss | dB | - | 29.0 | 31.0 |
| 1dB Bandwidth | MHz | 18.45 | 18.6 | - |
| 3dB Bandwidth | MHz | - | 19.1 | - |
| 40dB Bandwidth | MHz | - | 21.4 | 21.65 |
| Amplitude Ripple (fo ± 9.0MHz) | dB | - | 0.6 | 1.5 |
| Group Delay Variation (fo ± 9.0MHz) | nsec | - | 50 | 100 |
| Absolute Delay | usec | - | 1.23 | - |
| Ultimate Rejection | dB | 40 | 45 | - |
| Temperature Coefficient of Frequency | ppm/°C ² | - | -0.03 | - |
| Relative Attenuation (fo ± 9.0 MHz)±2.0MHz | dBc | 40 | 50 | - |

Input POWER : +10dBm

S1365 Package Dimension



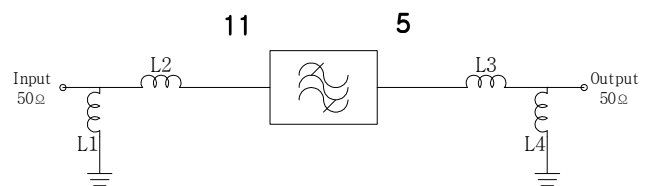
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Matching Network Configuration



L1 = 10nH, L2 = 12nH

L3 = 18nH, L4 = 8.2nH

Pin Configuration

| Pin Configuration | | | |
|-------------------|----|--------|--------|
| Input | 11 | Ground | 6,12 |
| Output | 5 | Others | Ground |

3. Typical Performance (at +25°C)

