

1. Features

- Typical 1dB bandwidth of 52.8 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

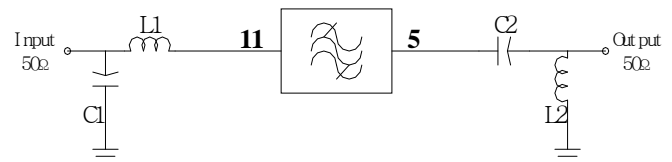
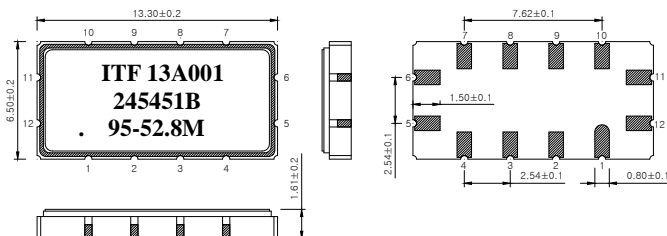
2. Electrical Specifications

Source and Load Impedance = 50

| Room Temperature : +25°C | | Minimum | Typical | Maximum |
|---------------------------------------|--------|---------|---------|---------|
| Center Frequency (fo) | MHz | - | 95.0 | - |
| Insertion Loss | dB | - | 21.0 | 23.0 |
| 1dB Bandwidth | MHz | 52.3 | 52.8 | - |
| 3dB Bandwidth | MHz | - | 54.2 | - |
| 40dB Bandwidth | MHz | - | 60.5 | 61.5 |
| Amplitude Ripple (fo ± 25.0 MHz) | dB | - | 0.4 | 1.0 |
| Group Delay Variation (fo ± 25.0 MHz) | nsec | - | 20 | 50 |
| Absolute Delay | usec | - | 1.04 | - |
| Ultimate Rejection | dB | 36 | 41 | - |
| Temperature Coefficient of Frequency | ppm/°C | - | -72 | - |

S1365 Package Dimension

Matching Schematic



C1 = 30pF, L1 = 68nH, C2 = 240pF, L2 = 68nH

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

Pin Configuration

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

3. Typical Performance (at +25°C)

