

1. Features

- Typical 1dB bandwidth of 15.7 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

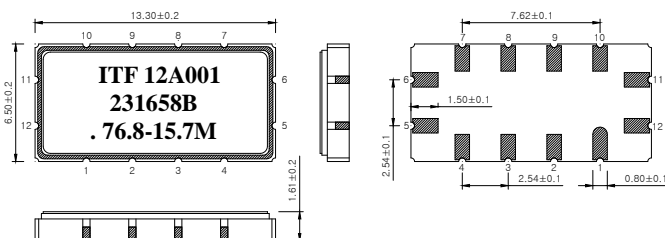
2. Electrical Specifications

Source and Load Impedance = 50

| Operating Temperature : -20°C ~ +70°C | | Minimum | Typical | Maximum |
|---------------------------------------|--------|---------|---------|---------|
| Center Frequency (fo) | MHz | - | 76.8 | - |
| Insertion Loss | dB | - | 11.3 | 13.5 |
| 1dB Bandwidth | MHz | 15.2 | 15.7 | - |
| 3dB Bandwidth | MHz | - | 16.4 | - |
| 5dB Bandwidth | MHz | - | 16.8 | 17.0 |
| 40dB Bandwidth | MHz | - | 19.3 | 19.8 |
| Amplitude Ripple (fo ± 7.2 MHz) | dB | - | 0.5 | 1.0 |
| Group Delay Variation (fo ± 7.2 MHz) | nsec | - | 70 | 120 |
| Absolute Delay | usec | - | 1.03 | - |
| Ultimate Rejection | dB | 40 | 47 | - |
| Temperature Coefficient of Frequency | ppm/°C | - | -86 | - |

| Room Temperature : +25°C | | Minimum | Typical | Maximum |
|--------------------------------------|------|---------|---------|---------|
| Insertion Loss | dB | - | 11.3 | 13.0 |
| Amplitude Ripple (fo ± 7.5 MHz) | dB | - | 0.5 | 1.0 |
| Group Delay Variation (fo ± 7.5 MHz) | nsec | - | 70 | 120 |

S1365 Package Dimension



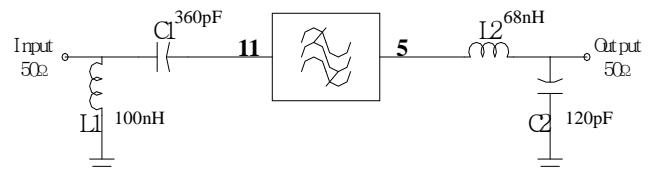
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

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

Matching Schematic



Pin Configuration

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

3. Typical Performance (at +25)

