

1. Features

- Typical 1dB bandwidth of 17.8 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

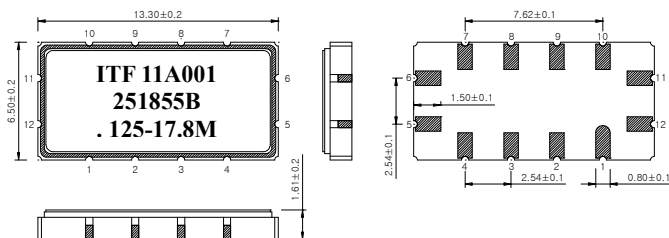
2. Electrical Specifications

Source and Load Impedance = 50Ω

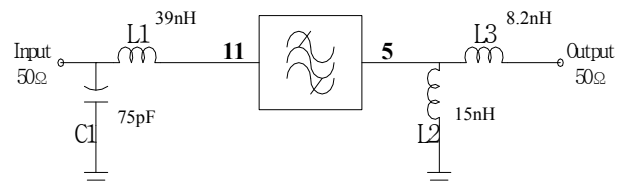
| Operating Temperature : -30°C ~ +80°C | | Minimum | Typical | Maximum |
|---------------------------------------|--------|---------|---------|---------|
| Center Frequency (fo) | MHz | - | 125.0 | - |
| Insertion Loss | dB | - | 11.0 | 13.5 |
| 1dB Bandwidth | MHz | 17.3 | 17.85 | - |
| 3dB Bandwidth | MHz | - | 18.9 | - |
| 40dB Bandwidth | MHz | - | 22.7 | 23.2 |
| Amplitude Ripple (fo ± 7.5 MHz) | dB | - | 0.4 | 1.0 |
| Group Delay Variation (fo ± 7.5 MHz) | nsec | - | 40 | 80 |
| Absolute Delay | usec | - | 0.85 | 0.9 |
| Ultimate Rejection | dB | 40 | 45 | - |
| Temperature Coefficient of Frequency | ppm/°C | - | -86 | - |

| Room Temperature : +25°C | | Minimum | Typical | Maximum |
|--------------------------------------|------|---------|---------|---------|
| Insertion Loss | dB | - | 11.0 | 13.0 |
| Amplitude Ripple (fo ± 8.1 MHz) | dB | - | 0.4 | 1.0 |
| Group Delay Variation (fo ± 8.1 MHz) | nsec | - | 40 | 80 |

S1365 Package Dimension



Matching Schematic



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)

