

1. Features

- Typical 1dB bandwidth of 12.0 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

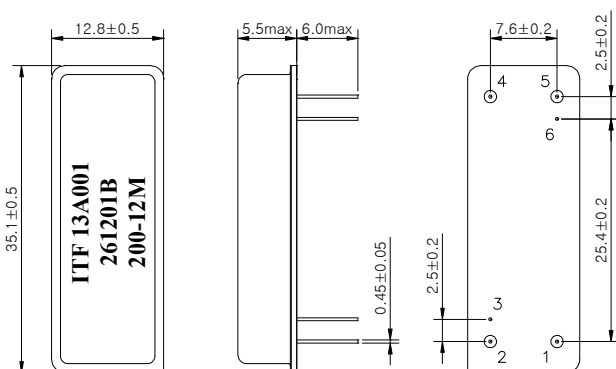
2. Electrical Specifications

Source and Load Impedance = 50Ω

| Operating Temperature : +25°C | | Minimum | Typical | Maximum |
|---|--------|---------|---------|---------|
| Center Frequency (fo) | MHz | - | 200.0 | - |
| Insertion Loss | dB | - | 30.5 | 32.0 |
| 1dB Bandwidth | MHz | 11.9 | 12.01 | - |
| 3dB Bandwidth | MHz | 12.1 | 12.17 | - |
| 40dB Bandwidth | MHz | - | 12.83 | 13.0 |
| Amplitude Ripple (fo ± 5.9 MHz) | dB | - | 0.75 | 1.5 |
| Group Delay Variation (fo ± 5.9 MHz) | nsec | - | 90 | 180 |
| Absolute Delay | usec | - | 4.86 | - |
| Ultimate Rejection | dB | 48 | 53 | - |
| Out of Band gain (Fo ± 5.9MHz) ± 400 kHz | dB | - | 17.5 | - |
| Temperature Coefficient of Frequency | ppm/°C | - | -18 | - |

* Maximum input Power 10dBm *

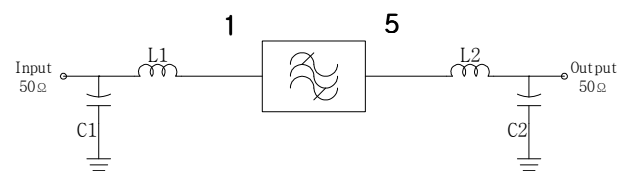
D3512 Package Dimension



Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
Cap : Cu & Cr Alloy, Ni Plated
Termination : Kovar, Au Plated

Matching Schematic



$$L1 = L2 = 15\text{nH}, C1 = C2 = 30\text{pF}$$

Pin Configuration

| | 1 | Ground | 2,4 |
|---------------|---|--------|--------|
| Input | 1 | Ground | 2,4 |
| Output | 5 | Others | Ground |

3. Typical Performance (at +25°C)

