

1. Features

- Typical 1dB bandwidth of 19.6 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

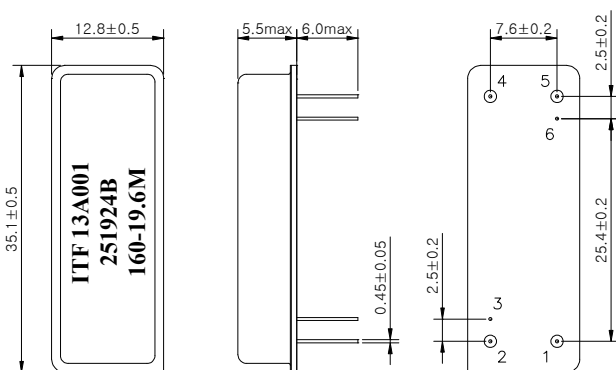
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	160.0	-
Insertion Loss	dB	-	27.0	29.0
1dB Bandwidth	MHz	-	19.63	-
3dB Bandwidth	MHz	19.8	19.87	-
40dB Bandwidth	MHz	-	20.90	21.0
Amplitude Ripple (fo ± 9.5 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 9.5 MHz)	nsec	-	40	80
Absolute Delay	usec	-	2.80	-
Ultimate Rejection	dB	48	53	-
Maximum input Power	dBm	-	-	10
Temperature Coefficient of Frequency	ppm/°C	-	-84	-

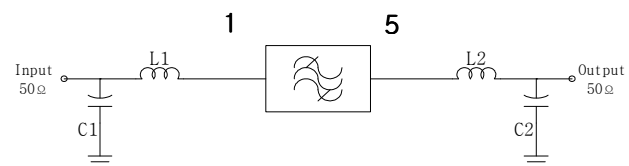
D3512 Package Dimension



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



$$L1 = L2 = 18\text{nH}, C1 = 30\text{pF}, C2 = 33\text{pF}$$

Pin Configuration

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

3. Typical Performance (at +25°C)

