

1. Features

- Typical 1dB bandwidth of 10.3 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

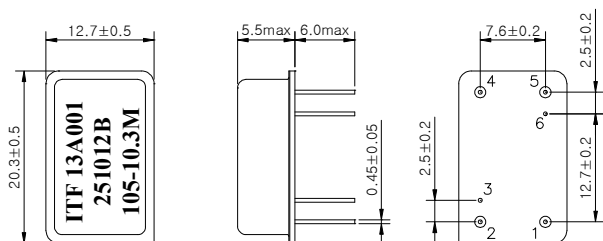
2. Electrical Specifications

Source and Load Impedance = 50Ω

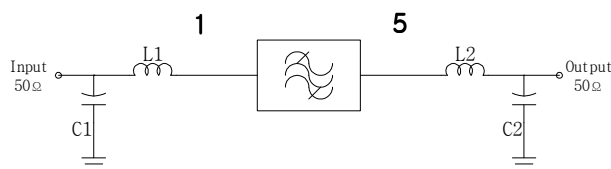
Operating Temperature : -30℃ ~ +80℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	105.0	-
Insertion Loss	dB	-	22.5	24.0
1 dB Bandwidth	MHz	10.1	10.31	-
3dB Bandwidth	MHz	-	10.63	-
40dB Bandwidth	MHz	-	11.91	12.0
Amplitude Ripple (fo ± 4.51 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 4.51 MHz)	nsec	-	50	100
Absolute Delay	usec	-	1.95	2.00
Ultimate Rejection	dB	48	53	-
Temperature Coefficient of Frequency	ppm/℃	-72		

Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	22.5	24.0
Amplitude Ripple (fo ± 4.94 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 4.94 MHz)	nsec	-	50	100

D2012 Package Dimension



Matching Schematic



$$L1 = L2 = 33\text{nH}, C1 = C2 = 47\text{pF}$$

Dimensions shown are nominal in millimeters

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

Pin Configuration

Input	1	Ground	2,4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

