

1. Features

- Typical 1dB bandwidth of 20.1 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

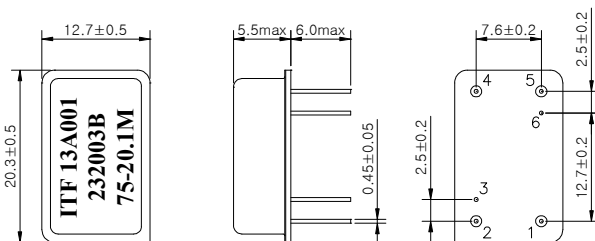
2. Electrical Specifications

Source and Load Impedance = 50Ω

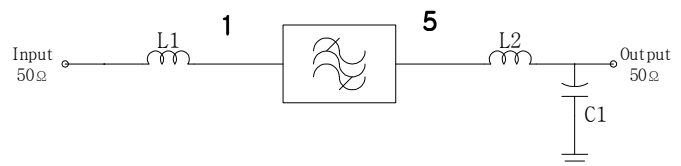
Operating Temperature : -30°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	22.5	24.0
1dB Bandwidth	MHz	20.0	20.10	-
3dB Bandwidth	MHz	-	20.41	-
20dB Bandwidth	MHz	-	21.26	-
40dB Bandwidth	MHz	-	21.65	21.80
Amplitude Ripple (Fo±9.5MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo±9.5MHz)	nsec	-	40	80
Absolute Delay	usec	-	2.35	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	22.5	24.0
Amplitude Ripple (Fo±9.8MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo±9.8MHz)	nsec	-	40	80

D2012 Package Dimension



Matching Schematic



$$L1 = 120\text{nH}, \quad L2 = 150\text{nH}, \quad C1 = 18\text{pF}$$

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

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

3. Typical Performance (at +25°C)

