

1. Features

- Typical 1dB bandwidth of 30.75 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

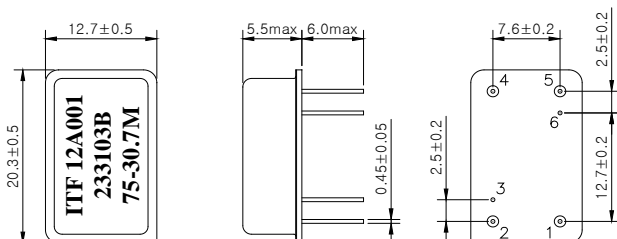
2. Electrical Specifications

Source and Load Impedance = 50

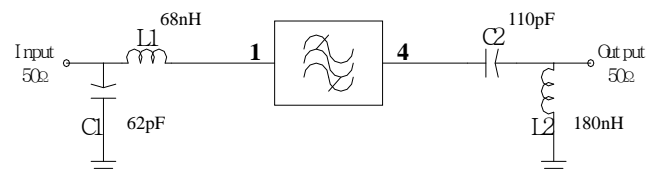
Operating Temperature : -30°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.1	-
Insertion Loss	dB	-	21.5	24.0
1dB Bandwidth	MHz	30.2	30.75	-
3dB Bandwidth	MHz	-	31.3	-
40dB Bandwidth	MHz	-	34.2	34.8
Amplitude Ripple (fo ± 14.22 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 14.22 MHz)	nsec	-	45	90
Absolute Delay	usec	-	1.45	-
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	21.5	23.5
Amplitude Ripple (fo ± 14.6 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 14.6 MHz)	nsec	-	45	90

D2012 Package Dimension



Matching Schematic



Pin Configuration

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

Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated

Cap : Cu & Cr Alloy, Ni Plated

Termination : Kovar, Au Plated

3. Typical Performance (at +25)

