

1. Features

- Typical 1dB bandwidth of 33.25 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

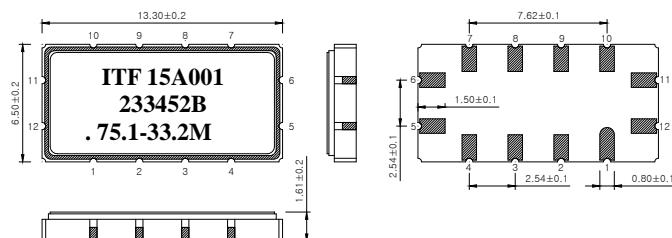
2. Electrical Specifications

Source and Load Impedance = 50

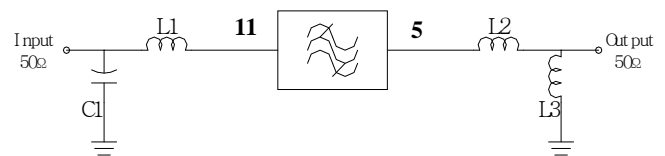
Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.1	-
Insertion Loss	dB	-	17.2	19.5
1dB Bandwidth	MHz	32.8	33.25	-
3dB Bandwidth	MHz	-	34.47	-
40dB Bandwidth	MHz	-	40.1	40.6
Amplitude Ripple (fo ± 15.0 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 15.0 MHz)	nsec	-	25	50
Absolute Delay	usec	-	0.78	0.8
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	17.2	19.0
Amplitude Ripple (fo ± 15.36 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 15.36 MHz)	nsec	-	25	50
Relative Attenuation Edge(Fo ± 14.22 MHz) ± 10.0 MHz	dB	45	50	-

S1365 Package Dimension



Matching Schematic



C1 = 30pF, L1 = 120nH, L2 = 6.8nH, L3 = 120nH

Pin Configuration

Pin Configuration			
Input	11	Ground	6, 12
Output	5	Others	Ground

Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

3. Typical Performance (at +25°C)

