

1. Features

- Typical 1dB bandwidth of 32.95 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

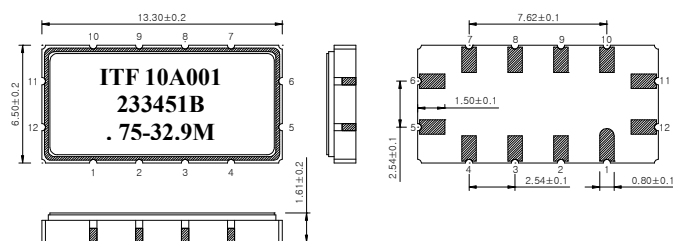
2. Electrical Specifications

Source and Load Impedance = 50Ω

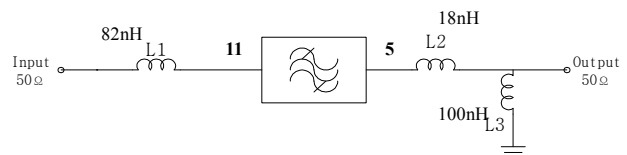
Operating Temperature : -20°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	16.5	19.0
1dB Bandwidth	MHz	32.5	32.95	-
3dB Bandwidth	MHz	-	34.23	-
40dB Bandwidth	MHz	-	40.2	40.7
Amplitude Ripple (fo ± 15.0 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 15.0 MHz)	nsec	-	25	50
Absolute Delay	usec	-	0.71	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Operating Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	16.5	18.5
Amplitude Ripple (fo ± 15.35 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 15.35 MHz)	nsec	-	25	50

S1365 Package Dimension



Matching Schematic



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)

