

1. Features

- Typical 1dB bandwidth of 28.95 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

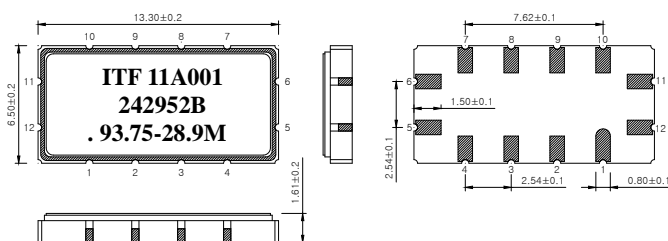
2. Electrical Specifications

Source and Load Impedance = 50

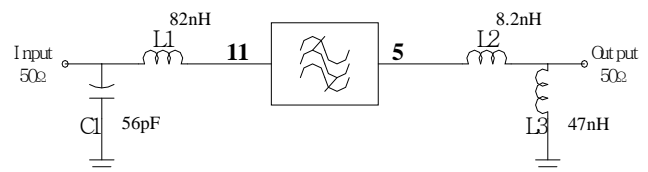
Operating Temperature : -5°C ~ +75°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	93.75	-
Insertion Loss	dB	-	14.0	16.5
1dB Bandwidth	MHz	28.2	28.95	-
3dB Bandwidth	MHz	-	29.9	-
40dB Bandwidth	MHz	-	34.5	35.0
Amplitude Ripple (fo ± 13.28 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 13.28 MHz)	nsec	-	25	60
Absolute Delay	usec	-	0.97	1.0
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	14.0	16.0
Amplitude Ripple (fo ± 13.61 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 13.61 MHz)	nsec	-	25	60

S1365 Package Dimension



Matching Schematic



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

Pin Configuration

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

3. Typical Performance (at +25)

