

1. Features

- Typical 1dB bandwidth of 11.25 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

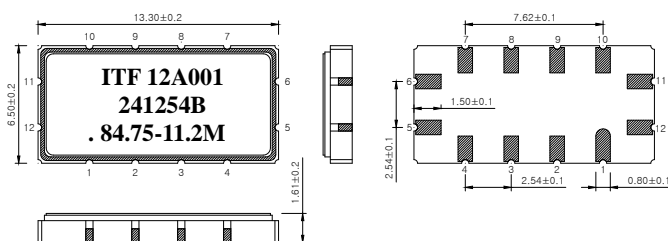
2. Electrical Specifications

Source and Load Impedance = 50

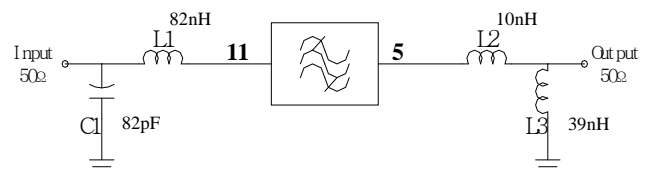
Operating Temperature : -5°C ~ +75°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	84.75	-
Insertion Loss	dB	-	9.5	11.5
1dB Bandwidth	MHz	10.9	11.25	-
3dB Bandwidth	MHz	-	12.05	-
40dB Bandwidth	MHz	-	15.0	15.5
Amplitude Ripple (fo ± 4.75 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 4.75 MHz)	nsec	-	45	80
Absolute Delay	usec	-	0.96	1.0
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	9.5	11.0
Amplitude Ripple (fo ± 5.05 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 5.05 MHz)	nsec	-	45	80

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)

