

1. Features

- Typical 1dB bandwidth of 17.6 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

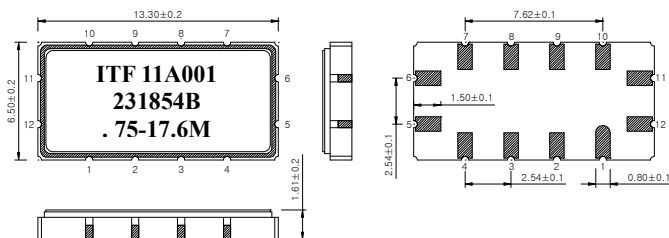
2. Electrical Specifications

Source and Load Impedance = 50Ω

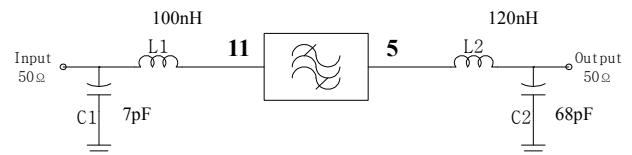
Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	12.5	15.0
1dB Bandwidth	MHz	17.1	17.6	-
3dB Bandwidth	MHz	-	18.6	-
40dB Bandwidth	MHz	-	23.0	23.5
Amplitude Ripple (fo ± 7.5 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 7.5 MHz)	nsec	-	35	60
Absolute Delay	usec	-	0.86	0.9
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	12.5	14.5
Amplitude Ripple (fo ± 7.86 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 7.86 MHz)	nsec	-	35	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°C)

