

1. Features

- Typical 1dB bandwidth of 17.8 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

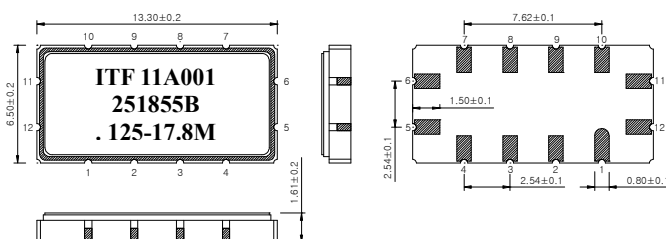
2. Electrical Specifications

Source and Load Impedance = 50Ω

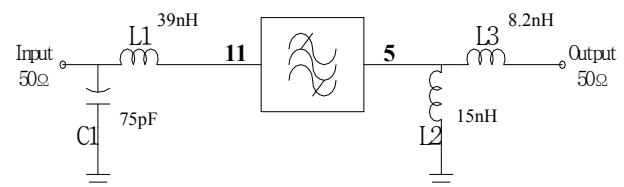
Operating Temperature : -30℃ ~ +80℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	125.0	-
Insertion Loss	dB	-	11.0	13.5
1dB Bandwidth	MHz	17.3	17.85	-
3dB Bandwidth	MHz	-	18.9	-
40dB Bandwidth	MHz	-	22.7	23.2
Amplitude Ripple (fo ± 7.5 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 7.5 MHz)	nsec	-	40	80
Absolute Delay	usec	-	0.85	0.9
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃	-	-86	-

Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	11.0	13.0
Amplitude Ripple (fo ± 8.1 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 8.1 MHz)	nsec	-	40	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

Input	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

