

1. Features

- Typical 1dB bandwidth of 8.8 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

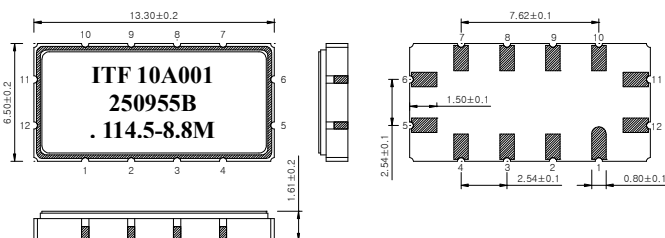
2. Electrical Specifications

Source and Load Impedance = 50Ω

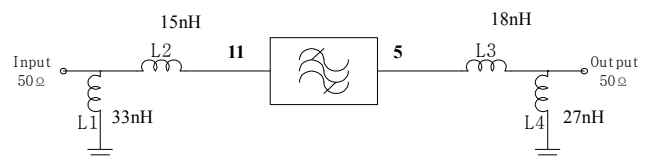
Operating Temperature : 0°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	114.5	-
Insertion Loss	dB	-	15.8	18.5
1dB Bandwidth	MHz	8.3	8.8	-
3dB Bandwidth	MHz	-	9.95	-
20dB Bandwidth	MHz	-	13.0	13.2
40dB Bandwidth	MHz	-	14.5	15.0
Amplitude Ripple (fo ± 3.5 MHz)	dB	-	0.3	0.9
Group Delay Variation (fo ± 3.5 MHz)	nsec	-	25	60
Absolute Delay	usec	-	0.89	1.0
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	15.8	18.0
Amplitude Ripple (fo ± 3.6 MHz)	dB	-	0.3	0.9
Group Delay Variation (fo ± 3.6 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°C)

