

1. Features

- Typical 1dB bandwidth of 10.65 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

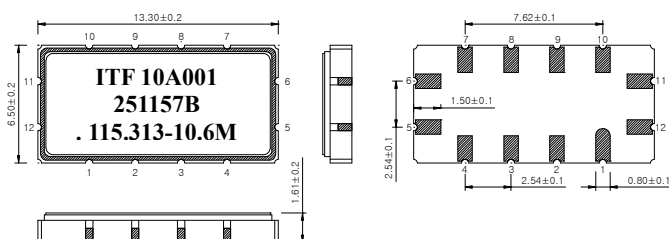
2. Electrical Specifications

Source and Load Impedance = 50Ω

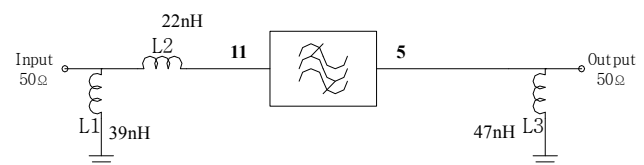
Operating Temperature : -10°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	115.313	-
Insertion Loss	dB	-	17.1	19.5
1dB Bandwidth	MHz	10.2	10.65	-
3dB Bandwidth	MHz	-	11.77	-
40dB Bandwidth	MHz	-	16.5	17.0
Amplitude Ripple (fo ± 4.375 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 4.375 MHz)	nsec	-	30	60
Absolute Delay	usec	-	0.69	0.7
Ultimate Rejection	dB	40	46	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Operating Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	17.1	19.0
Amplitude Ripple (fo ± 4.475 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 4.475 MHz)	nsec	-	30	60

S1365 Package Dimension



Matching Schematic



Pin Configuration

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

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

3. Typical Performance (at +25°C)

