

1. Features

- Typical 1dB bandwidth of 10.35 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

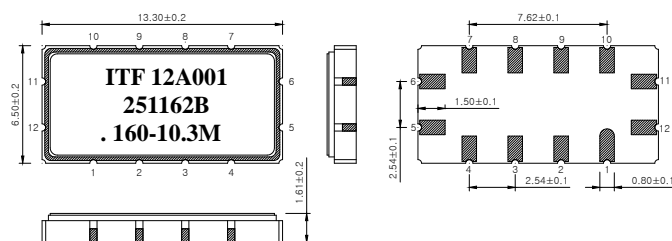
2. Electrical Specifications

Source and Load Impedance = 50

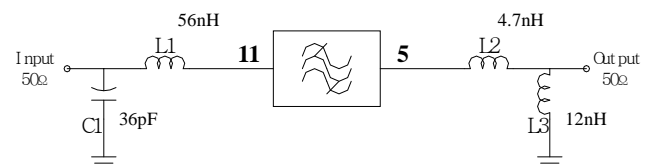
Operating Temperature : -10°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	160.0	-
Insertion Loss	dB	-	17.0	19.5
1dB Bandwidth	MHz	9.8	10.35	-
3dB Bandwidth	MHz	-	11.53	-
40dB Bandwidth	MHz	-	16.0	16.5
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	35	70
Absolute Delay	usec	-	0.87	0.9
Ultimate Rejection	dB	42	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	17.0	19.0
Amplitude Ripple (fo ± 4.62 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 4.62 MHz)	nsec	-	35	70

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)

