

1. Features

- Typical 1dB bandwidth of 15.5 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

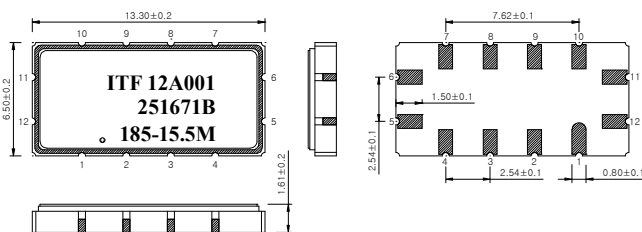
Tested by SGS Testing Korea

2. Electrical Specifications

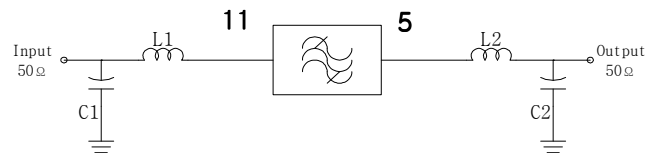
Source and Load Impedance = 50Ω

Operating Temperature : 0°C ~ 80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	185.0	-
Insertion Loss	dB	-	25.5	27.5
1dB Bandwidth	MHz	15.35	15.57	-
3dB Bandwidth	MHz	-	16.03	-
25dB Bandwidth	MHz	-	17.48	-
40dB Bandwidth	MHz	-	17.9	18.2
Amplitude Ripple (fo ± 7.25 MHz)	dB	-	0.45	1.2
Group Delay Variation (fo ± 7.25 MHz)	nsec	-	50	80
Absolute Delay	usec	-	1.30	
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-
Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	25.5	27.5
Amplitude Ripple (fo ± 7.38 MHz)	dB	-	0.45	1.2
Group Delay Variation (fo ± 7.38 MHz)	nsec	-	50	80

S1365 Package Dimension



Matching Schematic



L1 = 18nH, L2 = 39nH

C1 = 30pF, C2 = 39pF

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

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

3. Typical Performance (at +25°C)

