

1. Features

- Typical 1dB bandwidth of 15.8 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

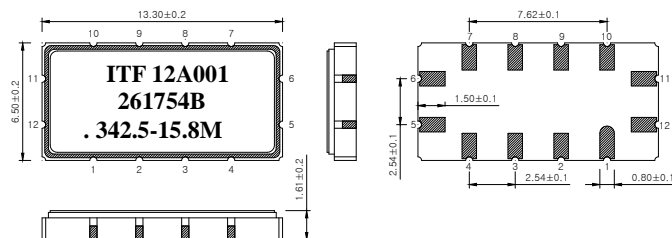
Tested by SGS Testing Korea

2. Electrical Specifications

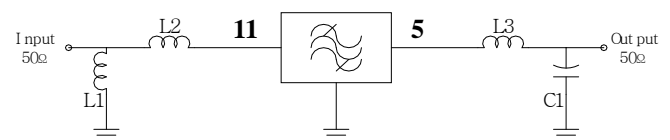
Source and Load Impedance = 50

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	342.5	-
Insertion Loss	dB	-	16.5	18.0
1dB Bandwidth	MHz	15.4	15.8	-
3dB Bandwidth	MHz	-	17.1	-
20dB Bandwidth	MHz	-	20.45	-
40dB Bandwidth	MHz	-	22.3	22.8
Amplitude Ripple (fo ± 7.25 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 7.25 MHz)	nsec	-	35	70
Absolute Delay	usec	-	0.7	-
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

S1365 Package Dimension



Matching Schematic



L1 = 8.2nH, L2 = 3.3nH, L3 = 18nH, C1 = 33pF

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)

