

### 1. Features

- Typical 1dB bandwidth of 9.4 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

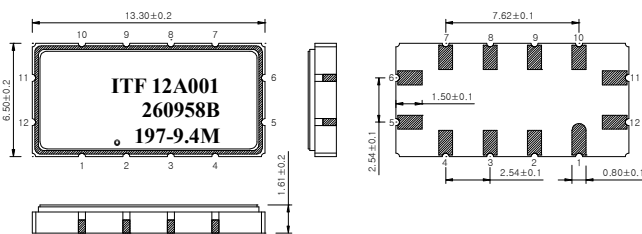
Tested by SGS Testing Korea

### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	197.0	-
Insertion Loss	dB	-	27.5	29.0
1dB Bandwidth	MHz	9.25	9.39	-
3dB Bandwidth	MHz	-	9.7	-
20dB Bandwidth	MHz	-	10.87	11.0
40dB Bandwidth	MHz	-	11.45	-
Amplitude Ripple (fo ± 4.51 MHz)	dB	-	0.52	1.2
Group Delay Variation (fo ± 4.51 MHz)	nsec	-	78	150
Absolute Delay	usec	-	1.58	-
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-0.03	-

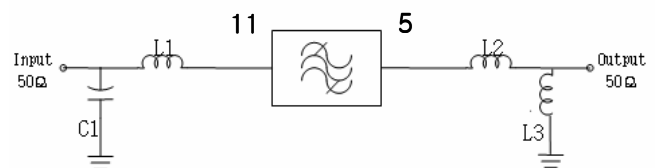
#### S1365 Package Dimension



Dimensions shown are nominal in millimeters

Body : Al<sub>2</sub>O<sub>3</sub>  
 Lid : Kovar, Ni Plated  
 Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

#### Matching Schematic



**L1 = 82nH, L2 = 56nH, L3 = 18nH**

**C1 = 30pF**

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

**3. Typical Performance ( at +25°C )**

