

1. Features

- Typical 1dB bandwidth of 18.9 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

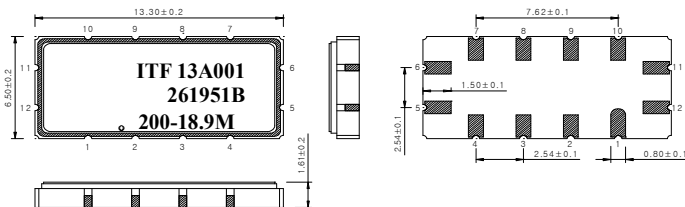
Operating Temperature : -5°C ~ +70°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	200.0	-
Insertion Loss	dB	-	28.0	29.5
1dB Bandwidth	MHz	18.8	18.9	-
3dB Bandwidth	MHz	-	19.32	-
30dB Bandwidth	MHz	-	20.94	21.0
40dB Bandwidth	MHz	-	21.19	-
Amplitude Ripple (Fo±9.0MHz)	dB	-	0.6	1.2
Group Delay Variation (Fo±9.0MHz)	nsec	-	30	60
Absolute Delay	usec	-	2.11	-
Ultimate Rejection	dB	50	55	-
Maximum input power	dBm	-	-	10
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C

		Minimum	Typical	Maximum
Insertion Loss	dB	-	28.0	29.5
Amplitude Ripple (Fo±9.165MHz)	dB	-	0.6	1.2
Group Delay Variation (Fo±9.165MHz)	nsec	-	30	60

S1365 Package Dimension



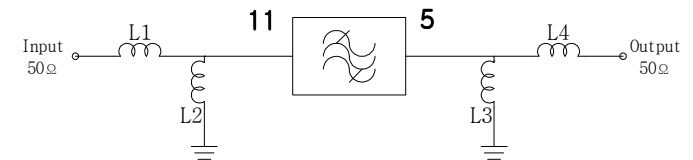
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Matching Network Configuration



$$L1 = L2 = L4 = 27\text{nH}, \quad L3 = 22\text{nH}$$

Pin Configuration

	11	5	12,4
Input	11	Ground	12,4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

