

1. Features

- Typical 1dB bandwidth of 19.0 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

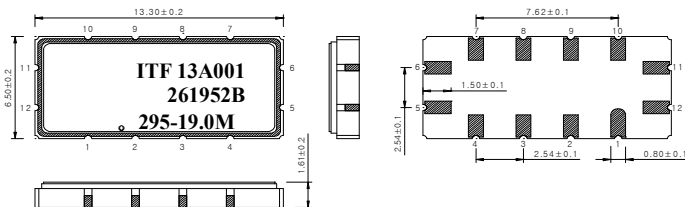
Operating Temperature : -5°C ~ +70°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	295.0	-
Insertion Loss	dB	-	28.5	30.0
1dB Bandwidth	MHz	18.85	19.0	-
3dB Bandwidth	MHz	-	19.39	-
30dB Bandwidth	MHz	-	20.95	21.0
40dB Bandwidth	MHz	-	21.18	-
Amplitude Ripple (Fo±9.0MHz)	dB	-	0.45	1.2
Group Delay Variation (Fo±9.0MHz)	nsec	-	30	70
Absolute Delay	usec	-	2.12	-
Ultimate Rejection	dB	48	53	-
Maximum input power	dBm	-	-	10
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C

		Minimum	Typical	Maximum
Insertion Loss	dB	-	28.5	30.0
Amplitude Ripple (Fo±9.24MHz)	dB	-	0.60	1.2
Group Delay Variation (Fo±9.24MHz)	nsec	-	30	70

S1365 Package Dimension



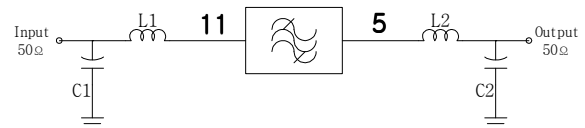
Dimensions shown are nominal in millimeters

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 = 8.2nH, C1 = 33pF, C2 = 18pF

Pin Configuration

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

3. Typical Performance (at +25°C)

