

1. Features

- Typical 1dB bandwidth of 29.5 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

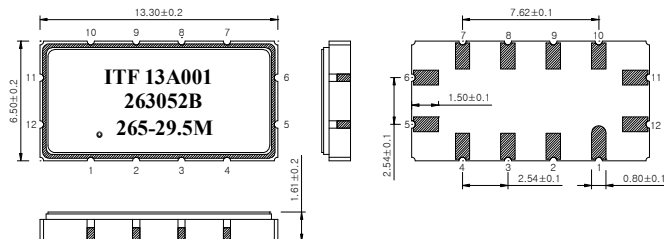
Tested by SGS Testing Korea

2. Electrical Specifications

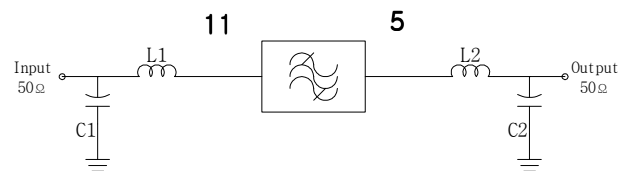
Source and Load Impedance = 50Ω

Operating Temperature : -20°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	264.75	265.0	265.25
Insertion Loss	dB	-	30.0	32.0
1dB Bandwidth	MHz	29.40	29.59	-
3dB Bandwidth	MHz	-	30.02	-
5dB Bandwidth	MHz	-	30.28	-
15dB Bandwidth	MHz	-	31.06	-
25dB Bandwidth	MHz	-	31.51	-
40dB Bandwidth	MHz	-	31.91	32.1
Amplitude Ripple (Fo±14.22MHz)	dB	-	0.6	1.2
Group Delay Variation (Fo±14.22MHz)	nsec	-	30	70
Absolute Delay	usec	-	2.00	-
Ultimate Rejection	dB	42	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-
Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	30.0	32.0
Amplitude Ripple (Fo±14.45MHz)	dB	-	0.6	1.2
Group Delay Variation (Fo±14.45MHz)	nsec	-	30	70

S1365 Package Dimension



Matching Schematic



L1 = 18nH, L2 = 22nH, C1 = 30pF, C2 = 22pF

Pin Configuration

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

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

3. Typical Performance (at +25°C)

