

1. Features

- Typical 1dB bandwidth of 29.9 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

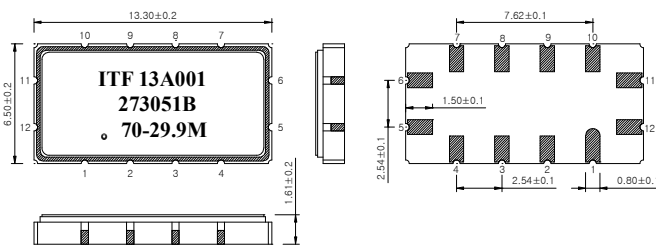
2. Electrical Specifications

Source and Load Impedance = 50Ω

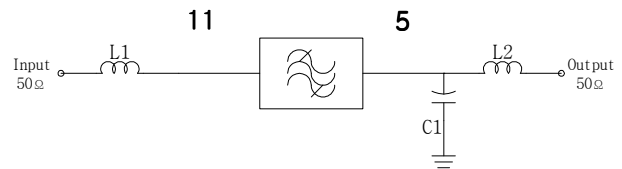
Operating Temperature : -20°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	30.7	32.0
1dB Bandwidth	MHz	29.8	29.97	-
3dB Bandwidth	MHz	-	30.4	-
40dB Bandwidth	MHz	-	32.19	32.4
Amplitude Ripple (fo ± 14.32 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo ± 14.32 MHz)	nsec	-	35	60
Absolute Delay	usec	-	1.72	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	30.7	32.0
Amplitude Ripple (fo +/- 14.55 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo +/- 14.55 MHz)	nsec	-	35	60

S1365 Package Dimension



Matching Schematic



L1 = 270nH, L2 = 270nH, C1 = 9pF

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			
Input	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

