

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

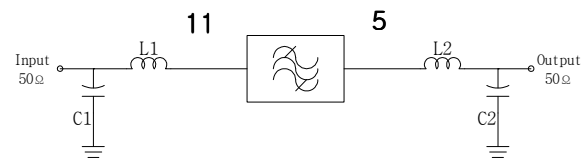
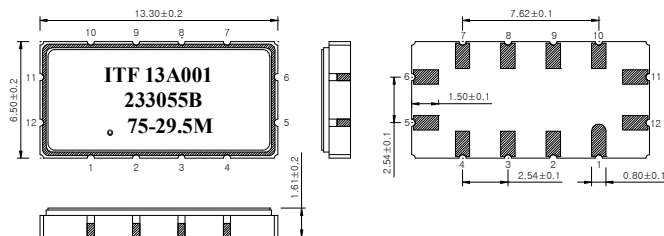
Operating Temperature : -20°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	74.92	75.0	75.08
Insertion Loss	dB	-	28.5	30.5
1dB Bandwidth	MHz	29.40	29.54	-
3dB Bandwidth	MHz	-	30.00	-
5dB Bandwidth	MHz	-	30.27	-
15dB Bandwidth	MHz	-	31.10	-
25dB Bandwidth	MHz	-	31.53	-
40dB Bandwidth	MHz	-	31.91	32.1
Amplitude Ripple (Fo±14.22MHz)	dB	-	0.6	1.2
Group Delay Variation (Fo±14.22MHz)	nsec	-	40	80
Absolute Delay	usec	-	1.63	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

* Maximum input power 10dBm

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	74.02	28.5	75.08
Amplitude Ripple (Fo±14.45MHz)	dB	-	0.6	1.2
Group Delay Variation (Fo±14.45MHz)	nsec	-	40	80

S1365 Package Dimension

Matching Schematic



L1 = 8.2nH, L2 = 4.7nH, C1 = 33pF, C2 = 27pF

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)

