

1. Features

- Typical 1dB bandwidth of 20.45 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

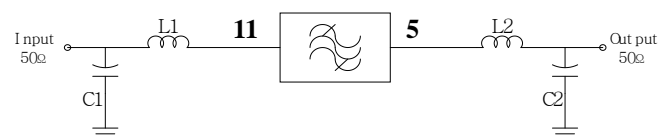
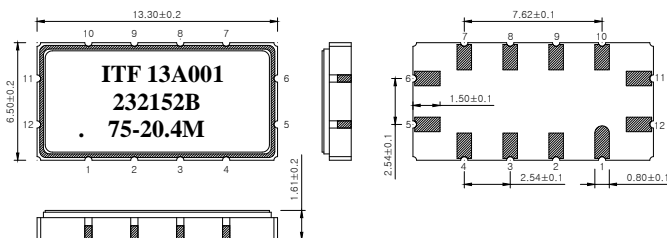
Source and Load Impedance = 50

Operating Temperature : -10°C ~ +60°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	75.0	-
Insertion Loss	dB	-	14.0	16.5
1dB Bandwidth	MHz	20.0	20.45	-
3dB Bandwidth	MHz	-	21.45	-
40dB Bandwidth	MHz	-	26.0	26.5
Amplitude Ripple (fo ± 9.2 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 9.2 MHz)	nsec	-	30	60
Absolute Delay	usec	-	0.64	0.65
Ultimate Rejection	dB	38	43	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	14.0	16.0
Amplitude Ripple (fo ± 9.43 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 9.43 MHz)	nsec	-	30	60

S1365 Package Dimension

Matching Schematic



C1 = 43pF, L1 = 150nH, L2 = 100nH, C2 = 18pF

Pin Configuration

Pin Configuration			
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)

