

1. Features

- Typical 1dB bandwidth of 60.3 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

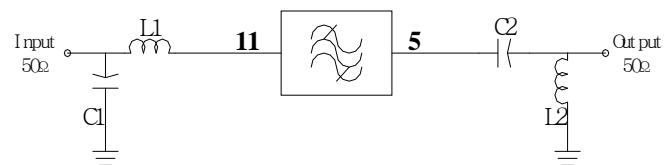
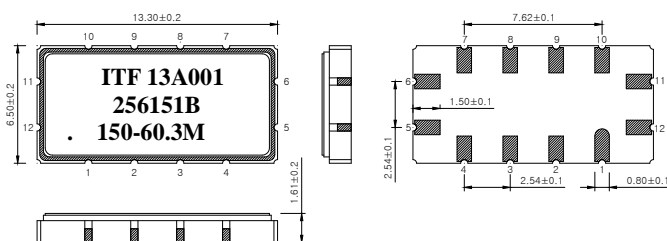
Source and Load Impedance = 50

Operating Temperature : -40°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	150.0	-
Insertion Loss	dB	-	18.6	21.0
1dB Bandwidth	MHz	59.7	60.3	-
3dB Bandwidth	MHz	-	61.85	-
40dB Bandwidth	MHz	-	70.5	71.0
Amplitude Ripple (fo ± 27.0 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 27.0 MHz)	nsec	-	15	50
Absolute Delay	usec	-	0.64	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	18.6	20.5
Amplitude Ripple (fo ± 27.7 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 27.7 MHz)	nsec	-	15	50

S1365 Package Dimension

Matching Schematic



C1 = 30pF, L1 = 39nH, C2 = 47pF, L2 = 82nH

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

	11	Ground	6, 12
Input			
Output	5	Others	Ground

3. Typical Performance (at +25°C)

