

1. Features

- Typical 1dB bandwidth of 10.45 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

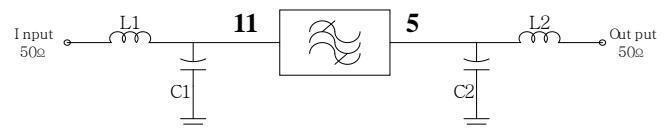
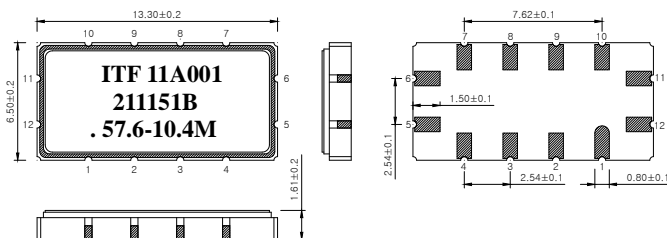
Source and Load Impedance = 50

Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	57.6	-
Insertion Loss	dB	-	11.5	14.5
1dB Bandwidth	MHz	9.9	10.45	-
3dB Bandwidth	MHz	-	11.15	-
40dB Bandwidth	MHz	-	14.6	15.2
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	45	90
Absolute Delay	usec	-	0.98	1.0
Ultimate Rejection	dB	40	49	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	11.5	14.0
Amplitude Ripple (fo ± 4.78 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 4.78 MHz)	nsec	-	45	90

S1365 Package Dimension

Matching Schematic



L1 = 220nH, C1 = 3pF, C2 = 3pF, L2 = 150nH

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)

