

1. Features

- Typical 1dB bandwidth of 10.63 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

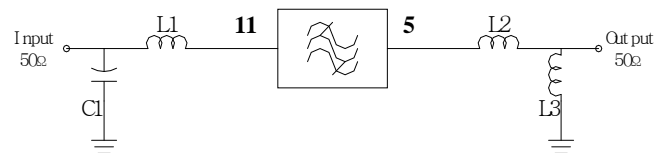
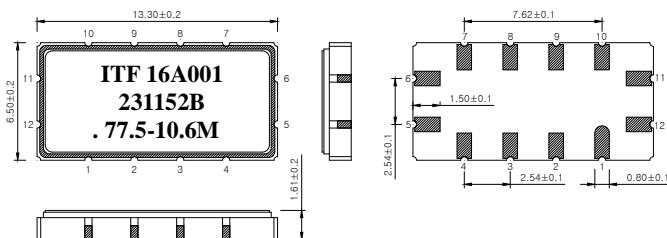
Source and Load Impedance = 50

Operating Temperature : -20°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	77.5	-
Insertion Loss	dB	-	11.0	13.5
1dB Bandwidth	MHz	10.1	10.63	-
3dB Bandwidth	MHz	-	11.24	-
40dB Bandwidth	MHz	-	13.65	14.2
Amplitude Ripple (fo ± 4.375 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 4.375 MHz)	nsec	-	35	70
Absolute Delay	usec	-	1.06	1.1
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	11.0	13.0
Amplitude Ripple (fo ± 4.675 MHz)	dB	-	0.3	1.0
Group Delay Variation (fo ± 4.675 MHz)	nsec	-	35	70

S1365 Package Dimension

Matching Schematic



C1 = 75pF, L1 = 82nH, L2 = 5.6nH, L3 = 39nH

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°C)

