

1. Features

- Typical 1dB bandwidth of 6.9 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

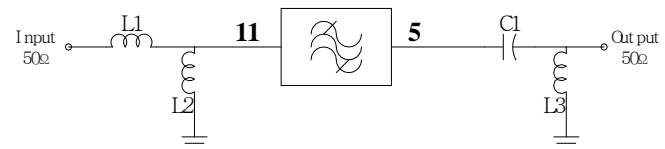
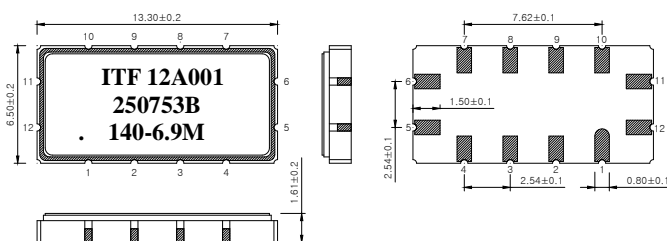
Source and Load Impedance = 50

Operating Temperature : -10°C ~ +50°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	15.5	18.0
1dB Bandwidth	MHz	6.4	6.9	-
3dB Bandwidth	MHz	-	7.64	-
40dB Bandwidth	MHz	-	10.4	10.8
Amplitude Ripple (fo ± 3.0 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 3.0 MHz)	nsec	-	45	100
Absolute Delay	usec	-	1.15	-
Ultimate Rejection	dB	40	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	15.5	17.5
Amplitude Ripple (fo ± 3.1 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 3.1 MHz)	nsec	-	45	100

S1365 Package Dimension

Matching Schematic



L1 = 33nH, L2 = 22nH, C1 = 270pF, L3 = 22nH

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)

