

1. Features

- Typical 1dB bandwidth of 11.4 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

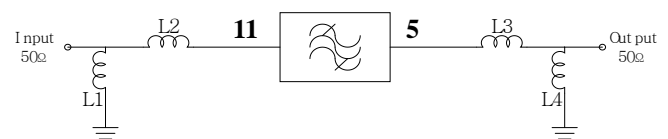
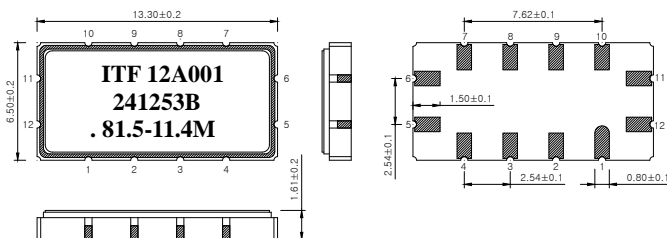
Source and Load Impedance = 50

Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	81.5	-
Insertion Loss	dB	-	10.0	12.5
1dB Bandwidth	MHz	10.9	11.4	-
3dB Bandwidth	MHz	-	12.15	-
40dB Bandwidth	MHz	-	15.1	15.6
Amplitude Ripple (fo ± 4.51 MHz)	dB	-	0.25	1.0
Group Delay Variation (fo ± 4.51 MHz)	nsec	-	35	60
Absolute Delay	usec	-	0.96	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	10.0	12.0
Amplitude Ripple (fo ± 4.9 MHz)	dB	-	0.25	1.0
Group Delay Variation (fo ± 4.9 MHz)	nsec	-	35	60

S1365 Package Dimension

Matching Schematic



L1 = 47nH, L2 = 22nH, L3 = 10nH, L4 = 39nH

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	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25)

