

1. Features

- Typical 1dB bandwidth of 4.35 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

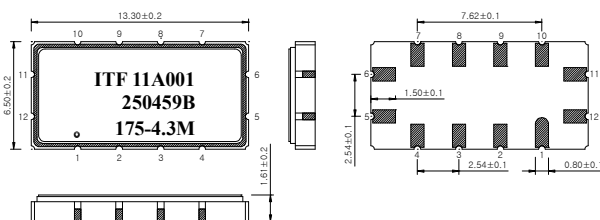
Operating Temperature : -30°C ~ +80°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	175.0	-
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	4.2	4.35	-
3dB Bandwidth	MHz	-	4.65	-
40dB Bandwidth	MHz	-	5.93	6.05
Amplitude Ripple (fo ± 1.92 MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 1.92 MHz)	nsec	-	80	150
Absolute Delay	usec	-	1.78	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

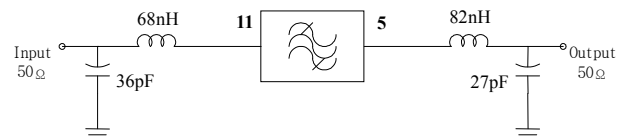
Room Temperature : +25°C

		Minimum	Typical	Maximum
Insertion Loss	MHz	-	23.0	25.0
Amplitude Ripple (fo ± 1.92 MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 1.92 MHz)	nsec	-	80	150

S1365 Package Dimension



Matching Schematic



Pin Configuration

	11	Ground	6,12
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)

