

1. Features

- Typical 1dB bandwidth of 9.8 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

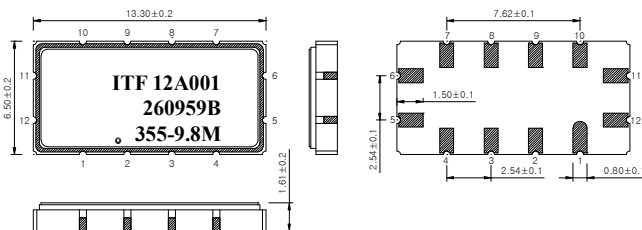
Tested by SGS Testing Korea

2. Electrical Specifications

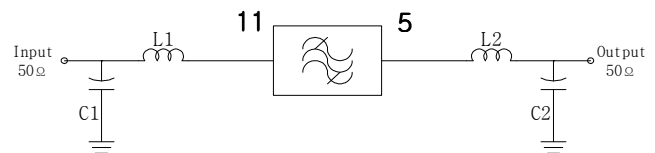
Source and Load Impedance = 50Ω

Operating Temperature : -20 °C ~ 70 °C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	355.0	-
Insertion Loss	dB	-	24.5	26.0
1dB Bandwidth	MHz	9.65	9.8	-
5dB Bandwidth	MHz	-	10.27	-
15dB Bandwidth	MHz	-	10.84	11.0
25dB Bandwidth	MHz	-	11.2	-
40dB Bandwidth	MHz	-	11.65	-
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.8	1.5
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	100	200
Absolute Delay	usec	-	1.69	-
Ultimate Rejection (fo ± 12.0 MHz)	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-
Room Temperature : +25 °C		Minimum	Typical	Maximum
Insertion Loss	dB	-	24.5	26.0
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.8	1.5
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	100	200

S1365 Package Dimension



Matching Schematic



L1 = 22nH, L2 = 27nH, C1 = 33pF, C2 = 27pF

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)

