

1. Features

- Typical 1dB bandwidth of 29.4 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

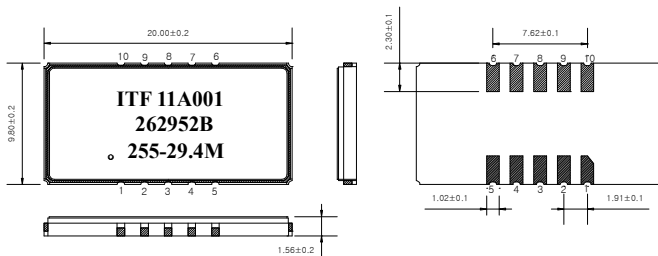
2. Electrical Specifications

Source and Load Impedance = 50Ω

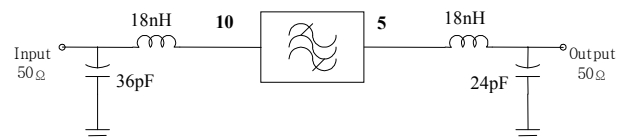
Operating Temperature : -20°C ~ +70°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	255.0	-
Insertion Loss	dB	-	31.0	32.5
1dB Bandwidth	MHz	29.25	29.41	-
3dB Bandwidth	MHz	-	29.8	-
40dB Bandwidth	MHz	-	31.26	31.4
Amplitude Ripple (fo ± 14.32 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo ± 14.32 MHz)	nsec	-	30	80
Absolute Delay	usec	-	2.66	-
Ultimate Rejection	dB	45	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	MHz	-	31.0	32.5
Amplitude Ripple (fo ± 14.53 MHz)	dB	-	0.65	1.2
Group Delay Variation (fo ± 14.53 MHz)	nsec	-	30	80

S2098 Package Dimension



Matching Schematic



Pin Configuration

	10	5	1,6
Input	10	Ground	1,6
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)

