

### 1. Features

- Typical 1dB bandwidth of 9.45 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

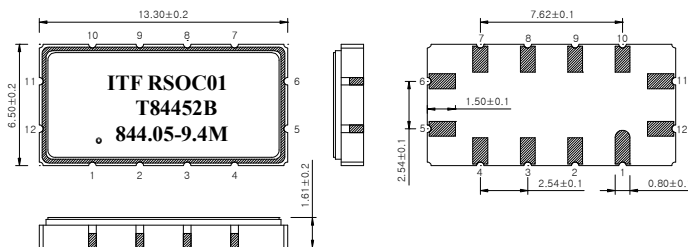
Tested by SGS Testing Korea

### 2. Electrical Specifications

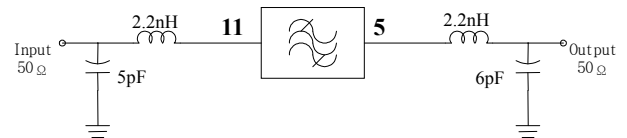
Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	843.91	844.05	844.19
Insertion Loss	dB	-	25.0	28.0
1dB Bandwidth	MHz	9.1	9.45	-
3dB Bandwidth	MHz	-	9.75	-
40dB Bandwidth	MHz	-	11.4	11.7
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	1.0	1.5
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	95	150
Absolute Delay	usec	-	1.66	-
Ultimate Rejection	dB	38	42	-
Out of band gain	Fc ± 5.2 MHz	dB	10	-
	Fc ± 6.0 MHz	dB	40	-
	Fc ± 10.0 MHz	dB	50	-
	Fc ± 15.0 MHz	dB	50	-
Temperature Coefficient of Frequency		ppm/°C <sup>2</sup>	-0.03	

#### S1365 Package Dimension



#### Matching Network Configuration



Dimensions shown are nominal in millimeters

Body : Al<sub>2</sub>O<sub>3</sub>  
 Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

#### Pin Configuration

Input	11	Ground	6, 12
Output	5	Others	Ground

**3. Typical Performance ( at +25°C )**

