

### 1. Features

- Typical 1dB bandwidth of 17.73 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

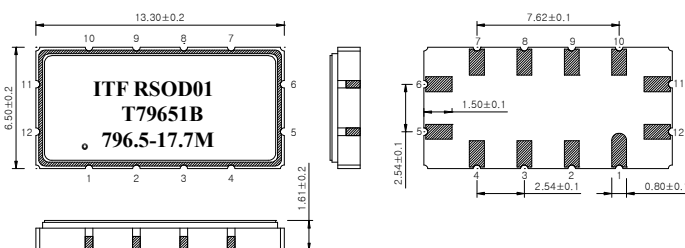
Tested by SGS Testing Korea

### 2. Electrical Specifications

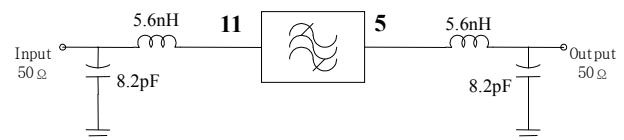
Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	796.5	-
Insertion Loss	dB	-	26.7	28.5
1dB Bandwidth	MHz	17.4	17.73	-
3dB Bandwidth	MHz	-	18.24	-
35dB Bandwidth	MHz	-	20.35	20.7
Amplitude Ripple (fo ± 8.5 MHz)	dB	-	0.85	1.5
Group Delay Variation (fo ± 8.5 MHz)	nsec	-	70	120
Absolute Delay	usec	-	1.28	-
Out of band gain	Edge ± 2.0 MHz	dB	35	45
Ultimate Rejection		dB	35	40
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-0.03		

#### S1365 Package Dimension



#### Matching Network Configuration



Dimensions shown are nominal in millimeters

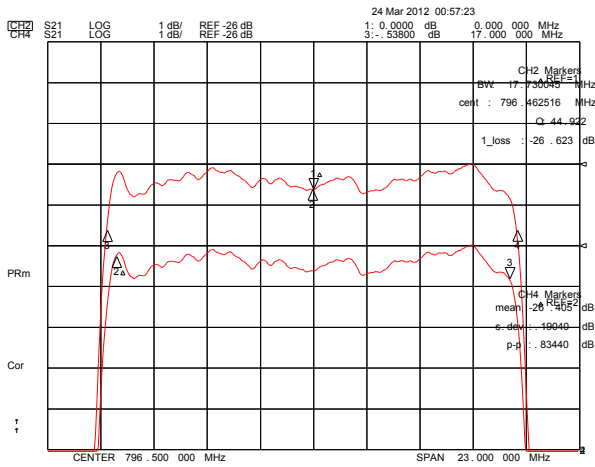
Body : Al<sub>2</sub>O<sub>3</sub>  
 Lid : Kovar, Ni Plated

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

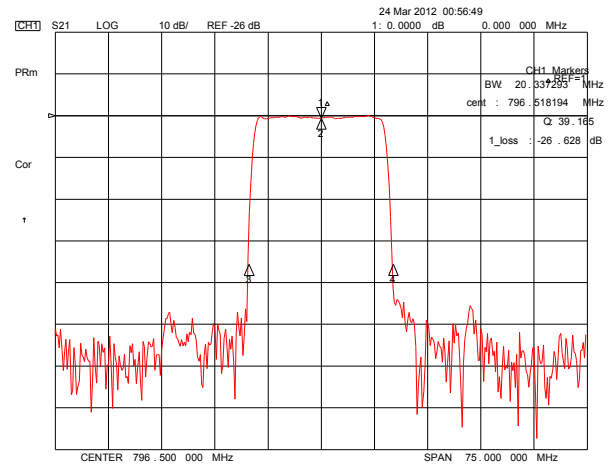
Pin Configuration			
Input	11	Ground	6, 12
Output	5	Others	Ground

**Typical Performance ( at +25°C )**

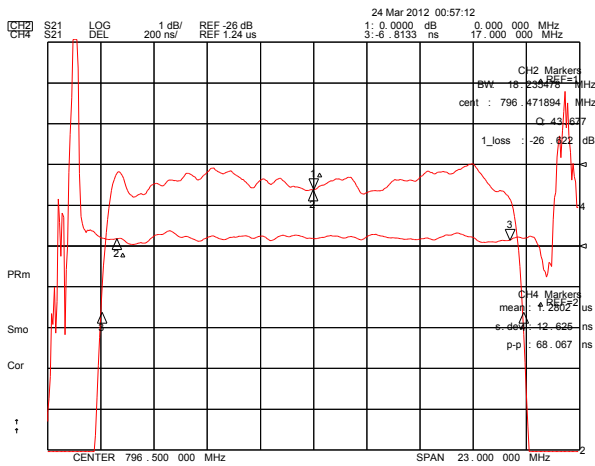
**1dB Bandwidth & Ripple( $F_o \pm 8.5$  MHz)**



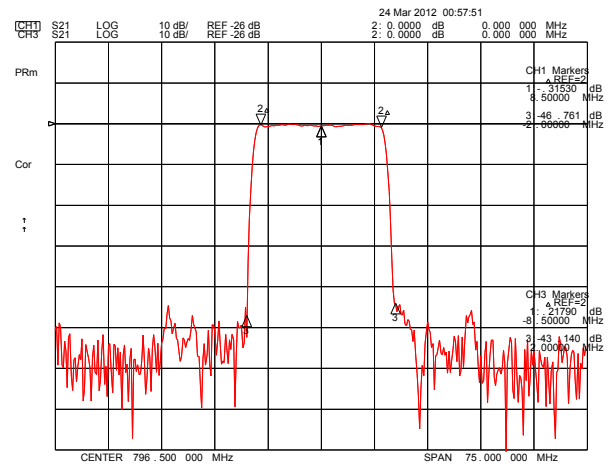
**35dB Bandwidth**



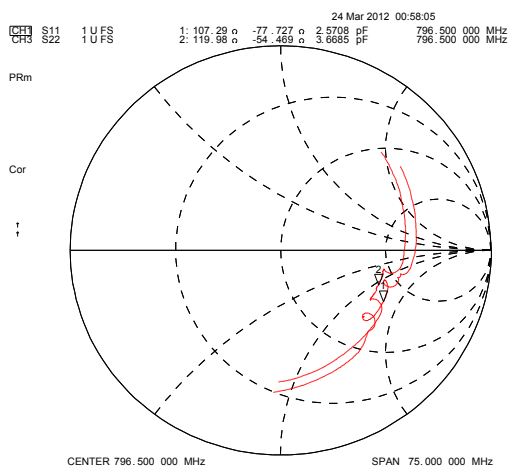
**3dB Bandwidth & Group Delay( $F_o \pm 8.5$  MHz)**



**Out of Band Gain**



**Smith Chart(S11 & S22)**



**SWR(S11 & S22)**

