250.0 MHz SAW Filter

Part Number 262151B

1. Features

- Typical 1dB bandwidth of 20.6 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

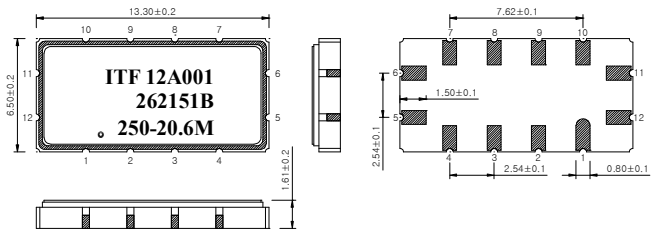
Tested by SGS Testing Korea

2. Electrical Specifications

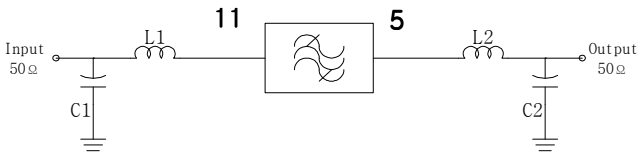
Source and Load Impedance = 50Ω

Operating Temperature : 0℃ ~ 80℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	250.0	-
Insertion Loss	dB	-	25.0	27.0
1dB Bandwidth	MHz	20.45	20.67	-
3dB Bandwidth	MHz	-	22.03	-
25dB Bandwidth	MHz	-	22.47	-
40dB Bandwidth	MHz	-	22.97	23.4
Amplitude Ripple (fo ± 9.75 MHz)	dB	-	0.7	1.2
Group Delay Variation (fo ± 9.75 MHz)	nsec	-	50	80
Absolute Delay	usec	-	1.22	
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Room Temperature : +25℃		**Minimum**	**Typical**	**Maximum**
Insertion Loss	dB	-	25.0	27.0
Amplitude Ripple (fo ± 9.93 MHz)	dB	-	0.7	1.2
Group Delay Variation (fo ± 9.93 MHz)	nsec	-	50	80

S1365 Package Dimension



Matching Schematic



L1 = 10nH, L2 = 22nH

C1 = 12pF, C2 = 36pF

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

Dimensions shown are nominal in millimeters

Body : Al_2O_3
Lid : Kovar, Ni Pla
ted
Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

I T F Co., Ltd.
102-901, Bucheon Technopark 364, Samjeong-Dong,
Ojeong-Gu, Bucheon-City,
Gyounggi-Do, Korea 421-809

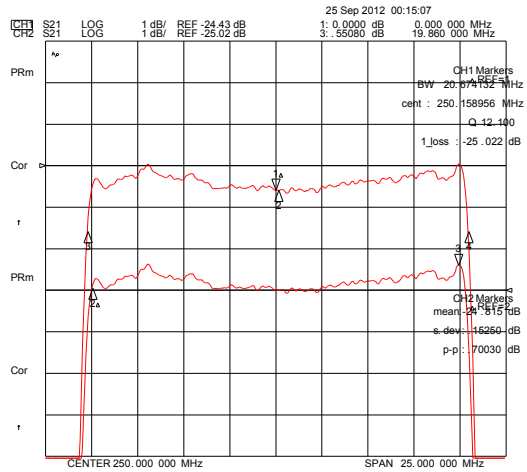
Tel: 82-32-621-1213
Fax: 82-32-621-1218

http://www.itf.co.kr
sales@itf.co.kr

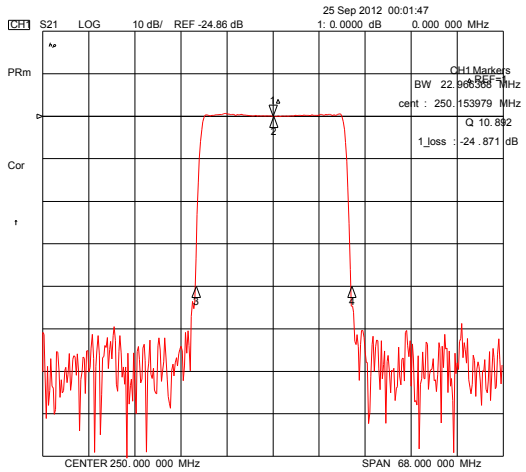
2013. 05. 13
Rev 1.1

3. Typical Performance (at +25℃)

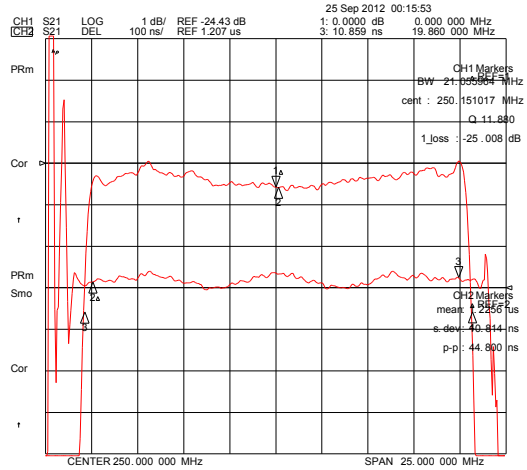
1dB Bandwidth & Ripple



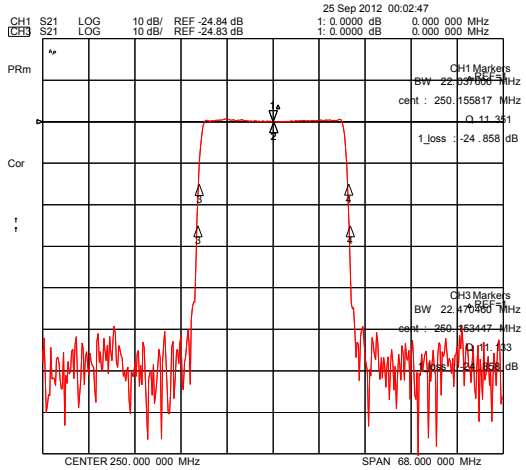
40dB Bandwidth



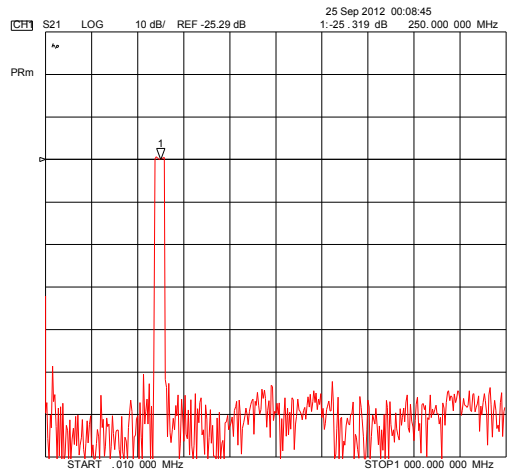
3dB Bandwidth & Group Delay



15dB Bandwidth & 25dB Bandwidth



Wide band Properties



SWR(S11 & S22)

