120.0 MHz SAW Filter

Part Number 250961B

1. Features

- Typical 1dB bandwidth of 9.3 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

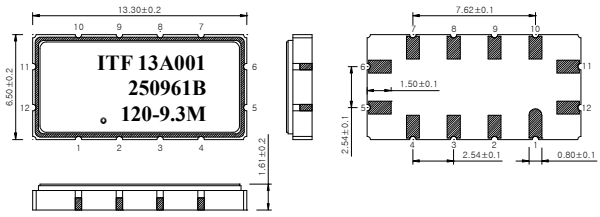
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	120.0	-
Insertion Loss	dB	-	23.0	24.5
1dB Bandwidth	MHz	9.15	9.3	-
3dB Bandwidth	MHz	-	9.58	-
40dB Bandwidth	MHz	-	10.87	11.0
Amplitude Ripple (fo ± 4.375 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo ± 4.375 MHz)	nsec	-	70	180
Absolute Delay	usec	-	1.76	-
Ultimate Rejection	dB	40	48	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-

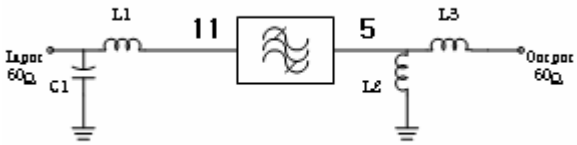
S1365 Package Dimension



Dimensions shown are nominal in millimeters

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

Matching Schematic



L1 = L2 = L3 = 39nH, C1 = 27pF

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

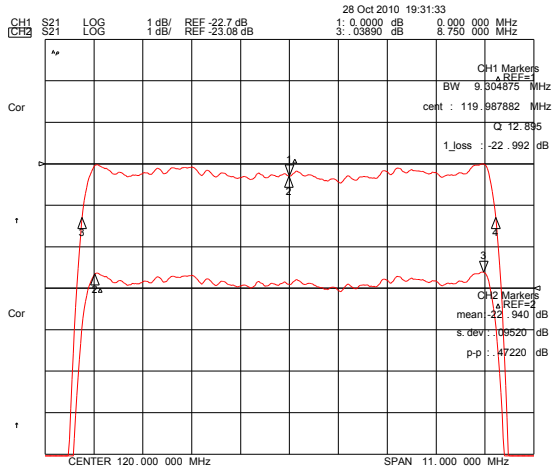
I T F Co., Ltd.
102-901, Bucheon Technopark 364, Samjeong-Dong,
Ojeong-Gu, Bucheon-City,
Gyounggi-Do, Korea 421-809

Tel: 82-32-621-1213
Fax: 82-32-621-1218
http://www.itf.co.kr
sales@itf.co.kr

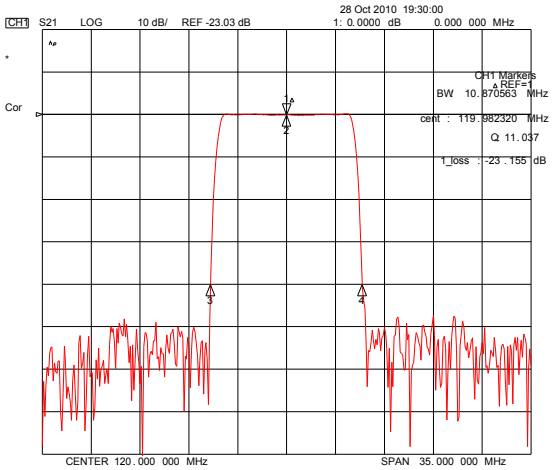
2013. 05. 06
Rev 1.0

3. Typical Performance (at +25℃)

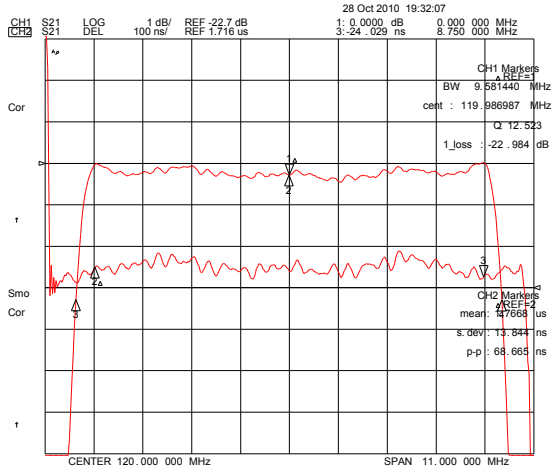
1dB Bandwidth & Ripple



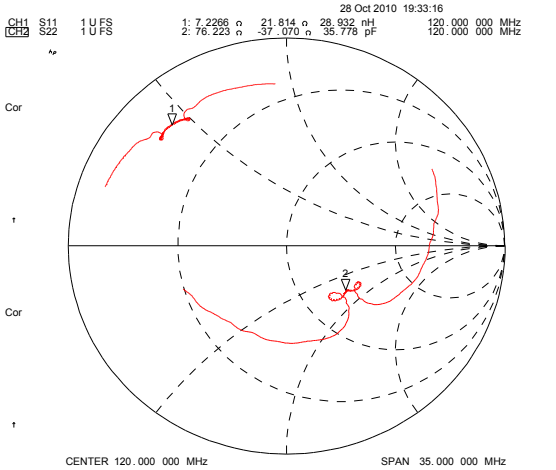
40dB Bandwidth



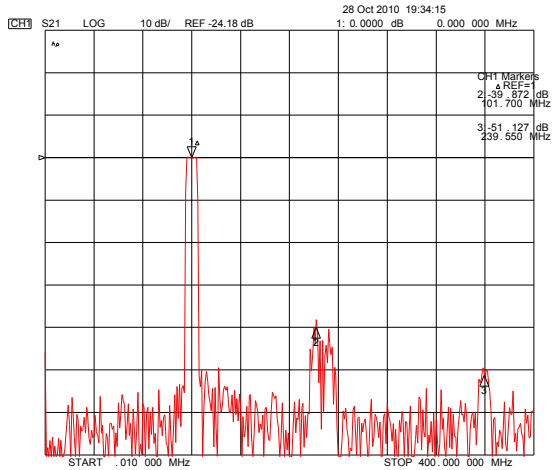
3dB Bandwidth & Group Delay



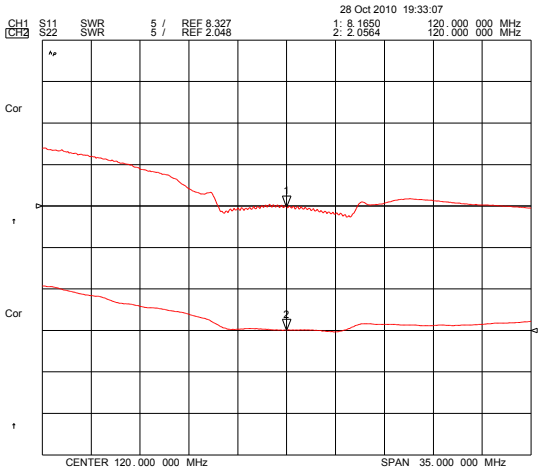
Smith Chart (S11 & S22)



Wideband Properties



SWR(S11 & S22)



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