152.0 MHz SAW Filter

Part Number 250925B

1. Features

- Typical 1dB bandwidth of 9.3 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

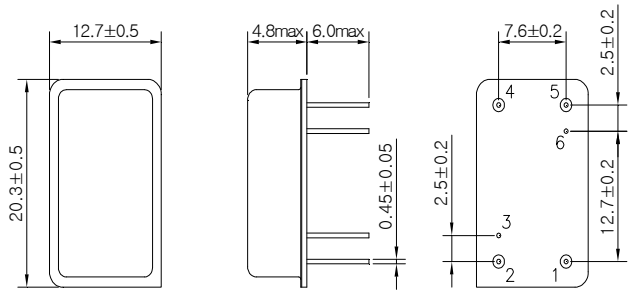
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	152.0	-
Insertion Loss	dB	-	26.5	28.5
1dB Bandwidth	MHz	9.25	9.35	-
3dB Bandwidth	MHz	-	9.56	-
40dB Bandwidth	MHz	-	10.56	10.65
Amplitude Ripple (fo ± 4.51 MHz)	dB	-	0.7	1.2
Group Delay Variation (fo ± 4.51 MHz)	nsec	-	100	200
Absolute Delay	usec	-	2.24	-
Ultimate Rejection				
134.5 ~ 141.5MHz	dB	45	50	-
162.5 ~ 169.5MHz	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Relative Attenuation				
157.065MHz	dBc	15	25	-

Input POWER : +10dBm

D2012 Package Dimension

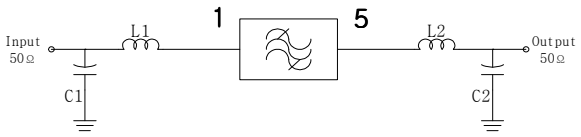


Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
Cap : Cu & Cr Alloy, Ni Plated

Termination : Kovar, Au Plated

Matching Network Configuration



L1 = 15nH, L2 = 47nH

C1 = 39pF, C2 = 30pF

Pin Configuration			
Input	**1**	**Ground**	**2,4**
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

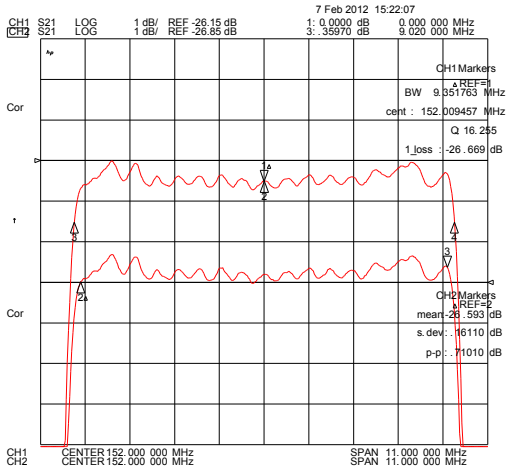
Tel: 82-32-621-1213
Fax: 82-32-621-1218

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

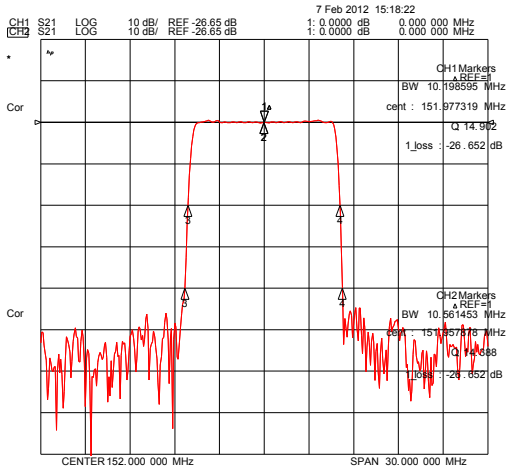
2015. 03. 25
Rev 1.0

3. Typical Performance (at +25℃)

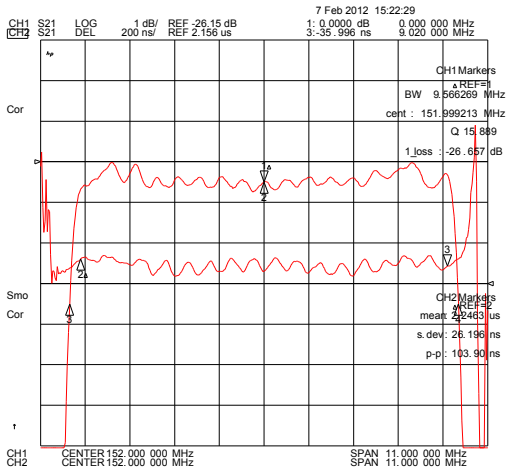
1dB Bandwidth & Ripple



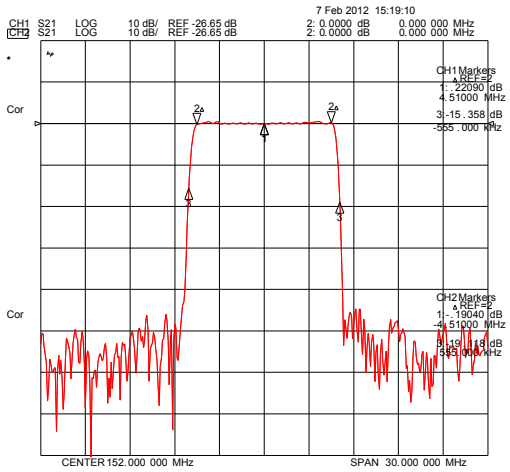
20dB Bandwidth & 40dB Bandwidth



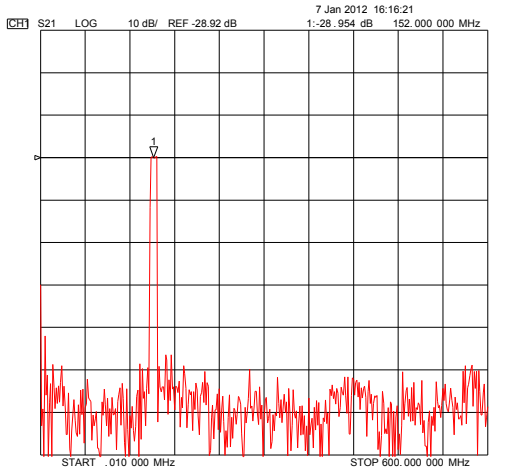
3dB Bandwidth & Group Delay



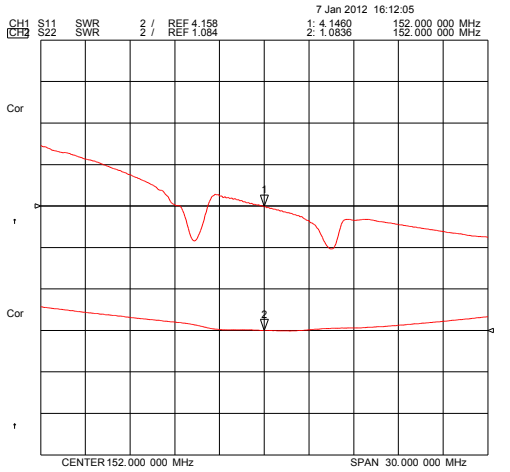
Relative Attenuation



Wide band 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