120.0 MHz SAW Filter
Part Number 251506B

1. Features

- Typical 1.5dB bandwidth of 15.12 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

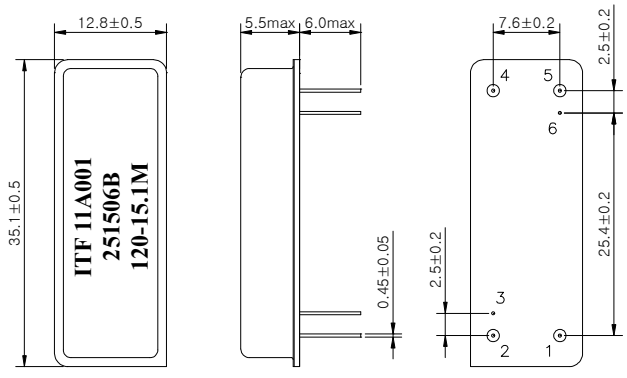
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	120.0	-
Insertion Loss	dB	-	25.7	27.0
1.5dB Bandwidth	MHz	15.1	15.12	-
18dB Bandwidth	MHz	-	15.85	15.9
25dB Bandwidth	MHz	-	16.0	16.1
30dB Bandwidth	MHz	-	16.07	16.5
40dB Bandwidth	MHz	-	16.2	18.5
Amplitude Ripple (fo ± 7.3 MHz)	dB	-	0.75	1.2
Group Delay Variation (fo ± 7.3 MHz)	nsec	-	70	120
Absolute Delay	usec	-	2.79	-
Ultimate Rejection	dB	48	52	-
Temperature Coefficient of Frequency	ppm/℃	-	-86	-

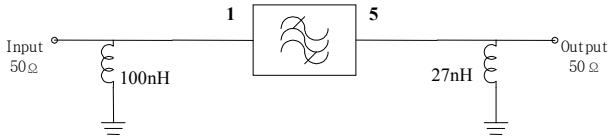
D3512 Package Dimension



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 Schematic



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

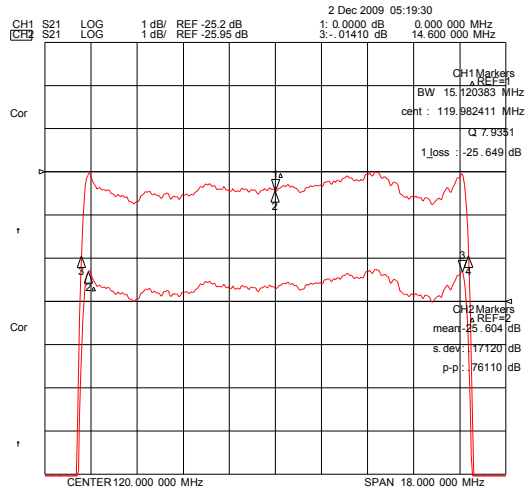
Tel: 82-32-621-1213
Fax: 82-32-621-1218

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

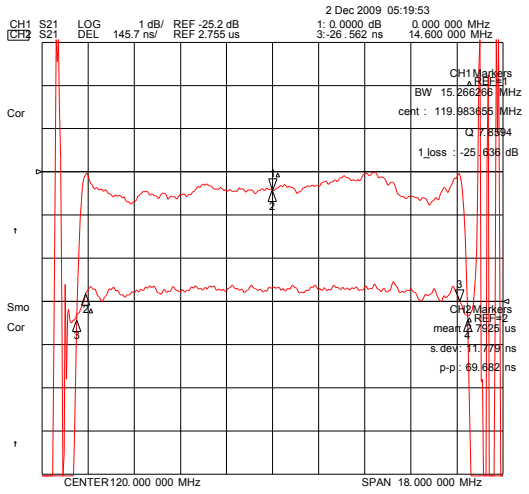
2011. 01. 24
Rev 1.0

3. Typical Performance (at +25℃)

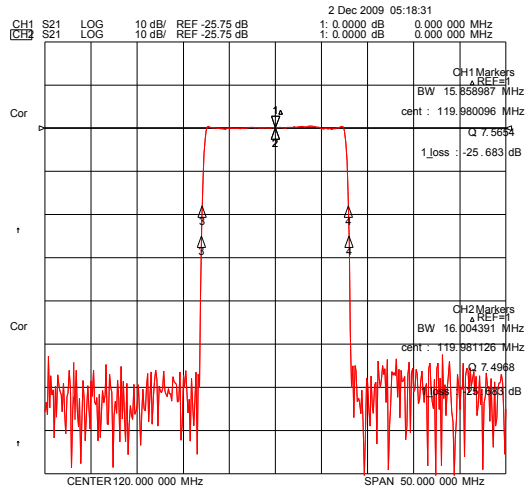
1.5dB Bandwidth & Ripple



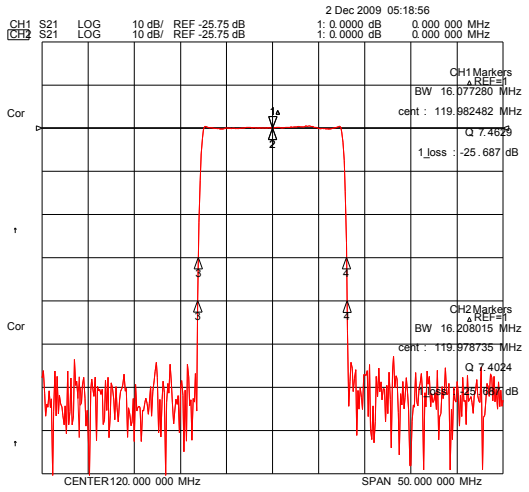
3dB Bandwidth & Group Delay



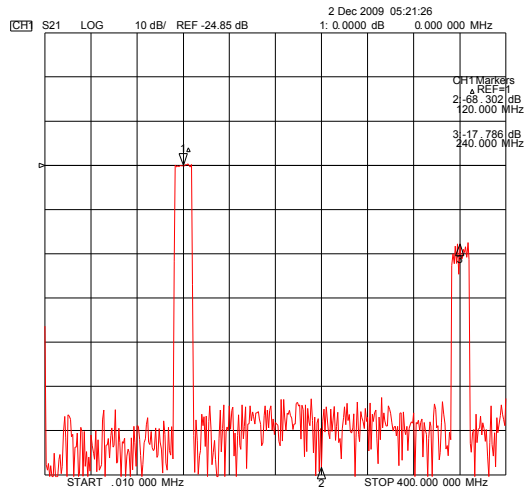
18dB & 25dB Bandwidth



30dB & 40dB Bandwidth



Wide band Properties



SWR(S11 & S22)

