270.5 MHz SAW Filter

Part Number 260504B

1. Features

- Typical 1dB bandwidth of 5.2 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

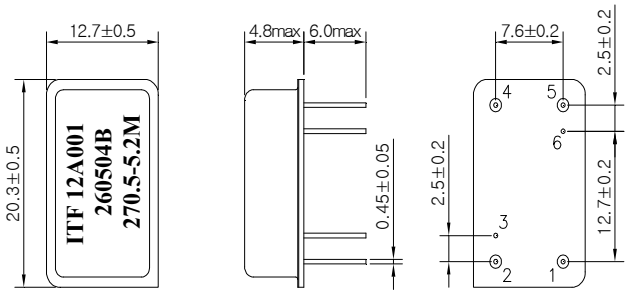
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	270.5	-
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	MHz	5.1	5.21	-
3dB Bandwidth	MHz	-	5.42	-
20dB Bandwidth	MHz	-	6.04	6.1
40dB Bandwidth	MHz	-	6.32	-
Amplitude Ripple (fo ± 2.46 MHz)	dB	-	0.72	-
Group Delay Variation (fo ± 2.46MHz)	nsec	-	71	150
Absolute Delay	usec	-	2.2	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃^{2}	-	-0.03	-

D2012 Package Dimension

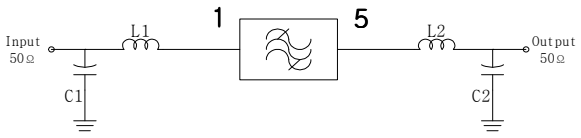


Dimensions shown are nominal in millimeters

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

Termination : Kovar, Au Plated

Matching Network Configuration



L1 = 33nH, L2 = 39nH

C1 = C2 = 18pF

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

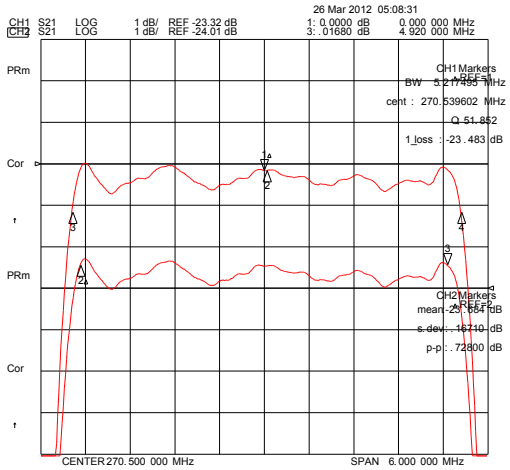
Tel: 82-32-621-1213
Fax: 82-32-621-1218

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

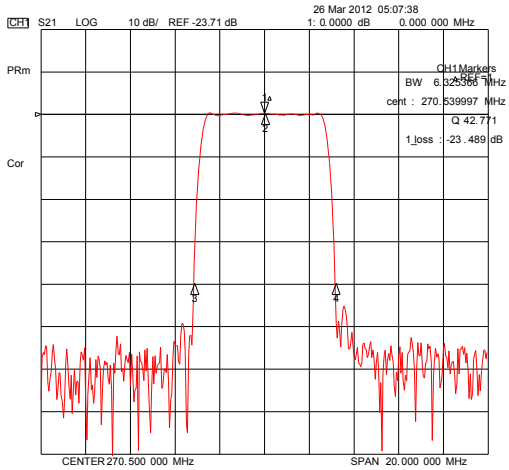
2013. 03. 29
Rev 1.0

3. Typical Performance (at +25℃)

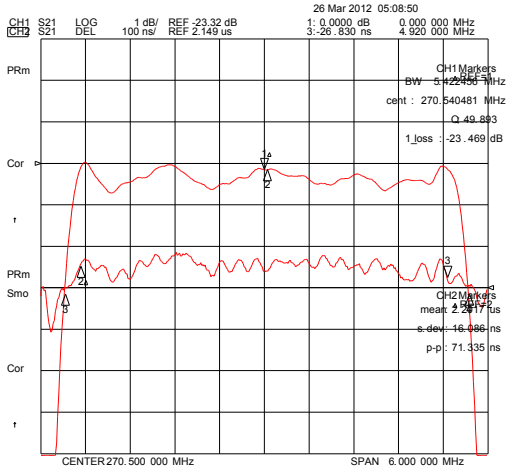
1dB Bandwidth & Ripple



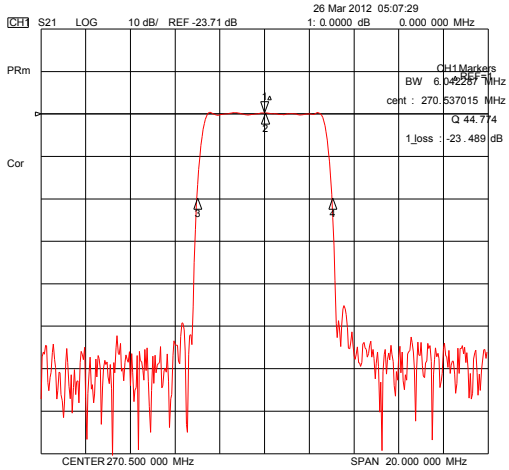
40dB Bandwidth



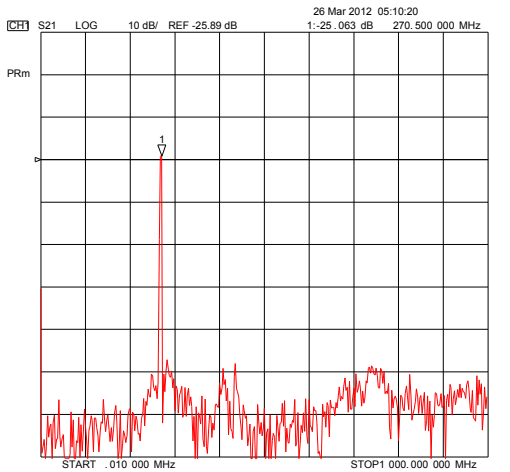
3dB Bandwidth & Group Delay



20dB Bandwidth



Wide band Properties



SWR(S11 & S22)

