295.0 MHz SAW Filter
Project name 261805B

1. Features

- Typical 1dB bandwidth of 18.5 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

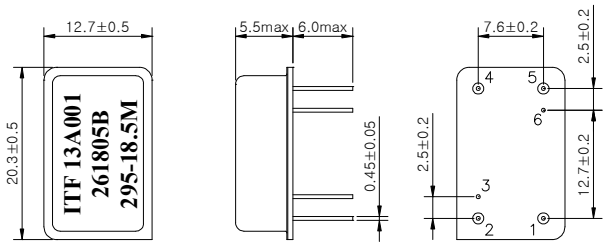
2. Electrical Specifications

Source and Load Impedance = 50Ω

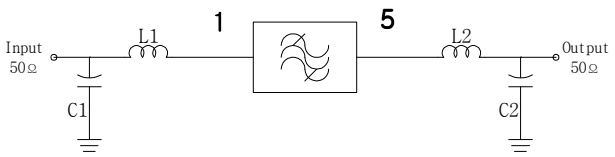
Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	295.0	-
Insertion Loss	dB	-	27.5	29.0
1dB Bandwidth	MHz	18.40	18.55	-
3dB Bandwidth	MHz	-	19.05	-
45dB Bandwidth	MHz	-	20.83	20.90
Amplitude Ripple (Fo±9.0075MHz)	dB	-	0.5	1.2
Group Delay Variation (Fo±9.0075MHz)	nsec	-	40	80
Absolute Delay	usec	-	2.23	2.25
Ultimate Rejection	dB	47	53	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Substrate Material	-		112-LT	

Input Power : +10dBm

D2012 Package Dimension



Matching Schematic



L1 = L2 = 6.8nH, C1 = C2 = 24pF

Dimensions shown are nominal in millimeters

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

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

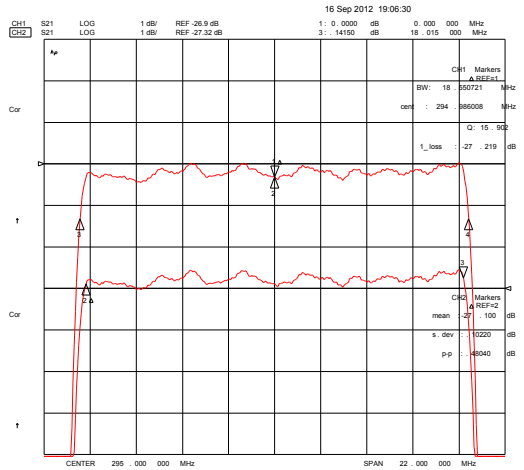
Tel: 82-32-621-1213
Fax: 82-32-621-1218

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

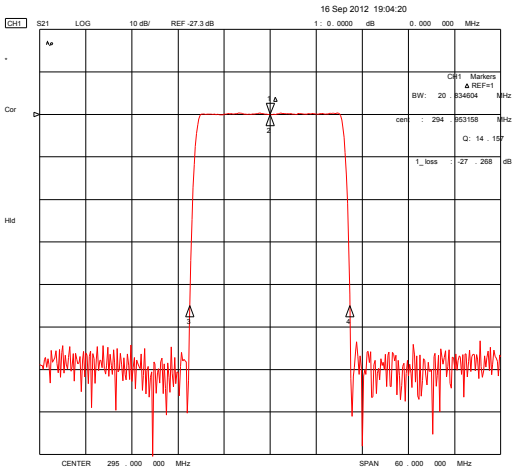
2013. 04.01
Rev 1.0

3. Typical Performance (at +25℃)

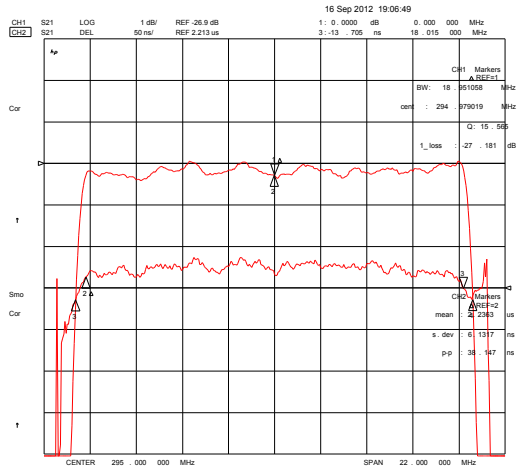
1dB Bandwidth & Ripple



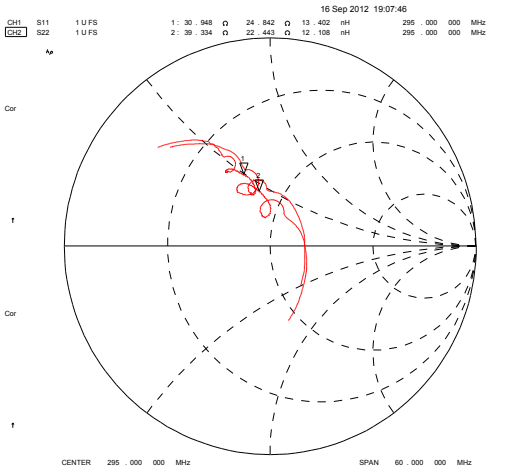
45dB Bandwidth



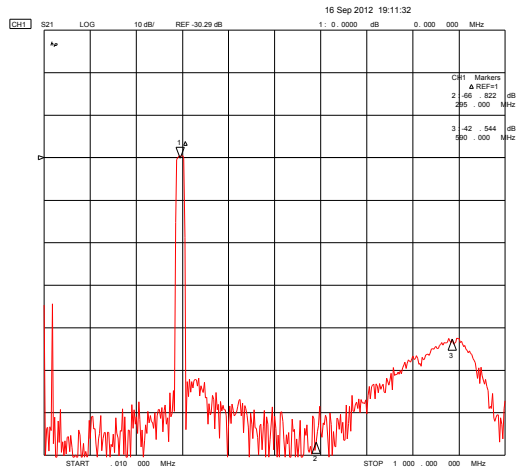
3dB Bandwidth & Group Delay



Smith Chart(S11 & S22)



Wideband Properties



SWR(S11 & S22)