70.05 MHz SAW Filter
Part Number 232055B

1. Features

- Typical 1dB bandwidth of 19.7 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

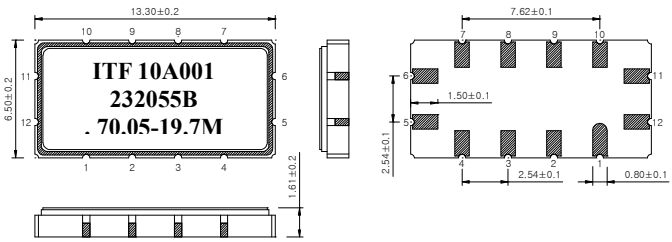
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.05	-
Insertion Loss	dB	-	24.0	25.5
1dB Bandwidth	MHz	19.6	19.76	-
3dB Bandwidth	MHz	-	20.2	-
40dB Bandwidth	MHz	-	22.05	22.2
Amplitude Ripple (fo ± 9.65 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 9.65 MHz)	nsec	-	45	80
Absolute Delay	usec	-	1.72	-
Ultimate Rejection	dB	42	48	-
Temperature Coefficient of Frequency	ppm/℃	-	-72	-

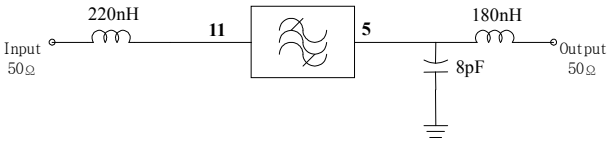
S1365 Package Dimension



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



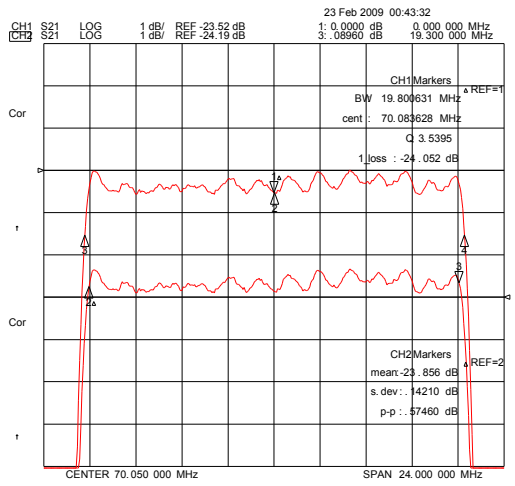
Pin Configuration			
Input	**11**	**Ground**	**6,12**
Output	**5**	**Others**	**Ground**

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

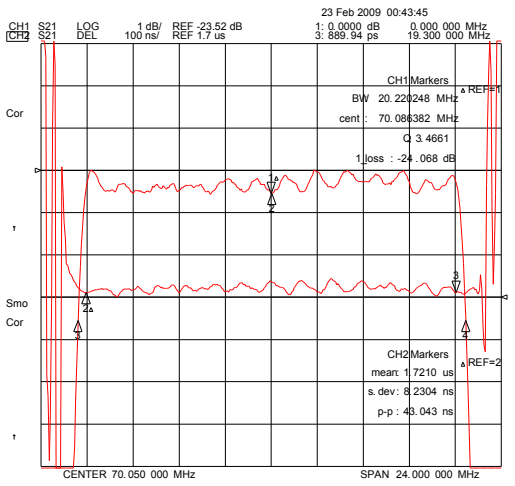
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http://www.itf.co.kr
sales@itf.co.kr

3. Typical Performance (at +25℃)

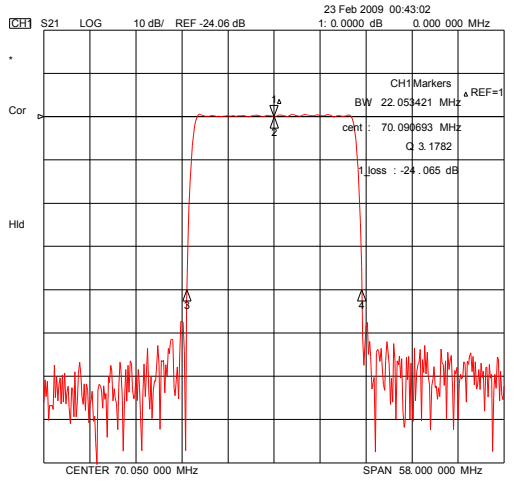
1dB Bandwidth & Ripple



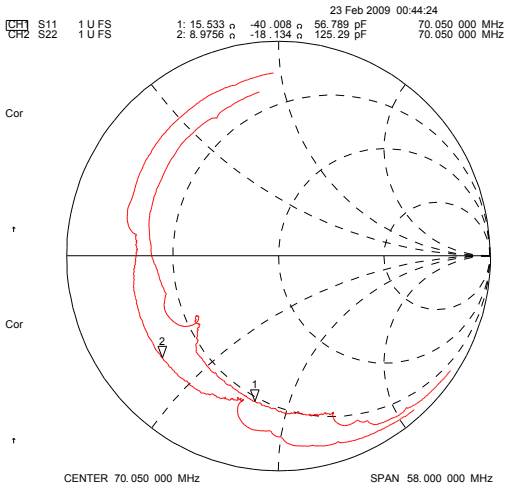
3dB Bandwidth & Group Delay



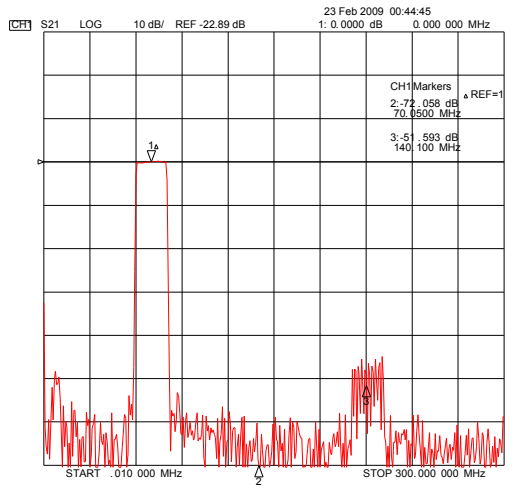
40dB Bandwidth



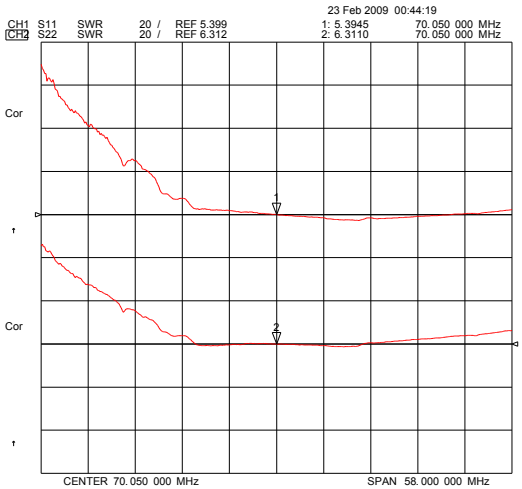
Smith Chart(S11 & S22)



Wide band Properties



SWR(S11 & S22)



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