860.0 MHz SAW Filter

Part Number T86051B

1. Features

- Typical 1dB bandwidth of 18.65 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

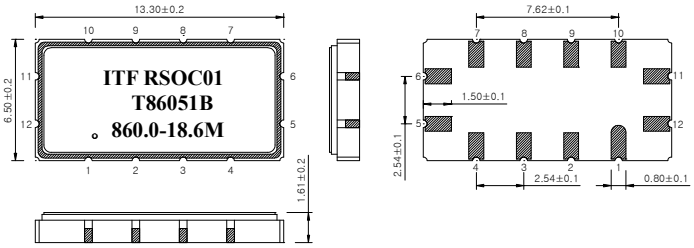
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃			Minimum	Typical	Maximum
Center Frequency (fo)		MHz	-	860.0	-
Insertion Loss		dB	-	26.0	28.0
1dB Bandwidth		MHz	18.4	18.65	-
3dB Bandwidth		MHz	-	19.25	-
35dB Bandwidth		MHz	-	21.6	22.0
Amplitude Ripple (fo ± 9.0 MHz)		dB	-	0.95	1.5
Group Delay Variation (fo ± 9.0 MHz)		nsec	-	70	150
Absolute Delay		usec	-	1.11	-
Out of band gain	Edge ± 2.0 MHz	dB	35	45	-
Temperature Coefficient of Frequency		ppm/℃^{2}		-0.03	

S1365 Package Dimension

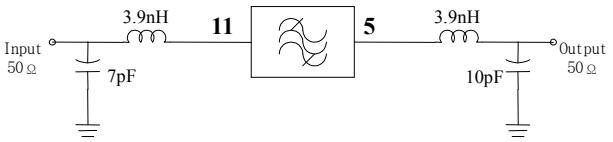


Dimensions shown are nominal in millimeters

Body : Al_2O_3
Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Matching Network Configuration



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

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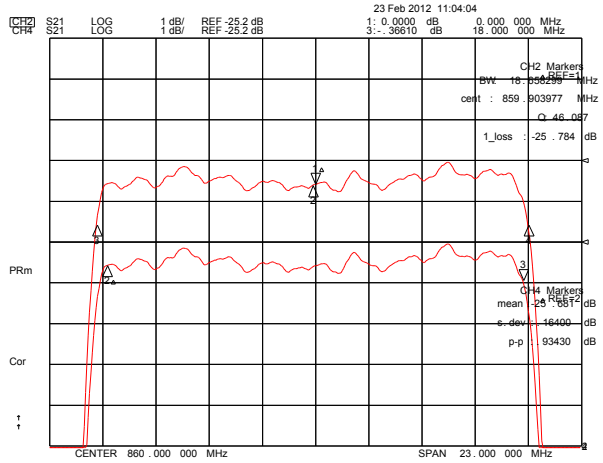
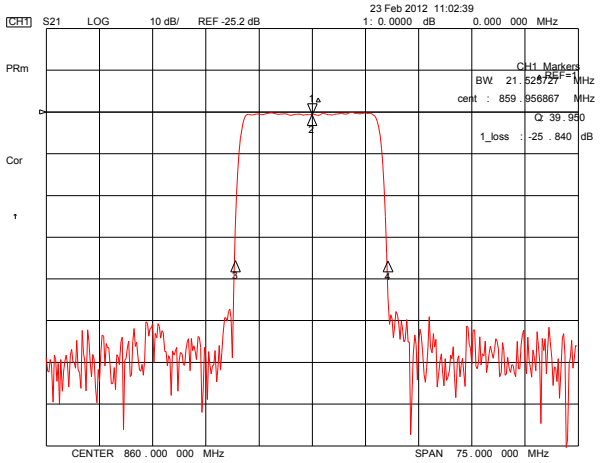
2013. 03. 29
Rev 1.0

3. Typical Performance (at +25℃)

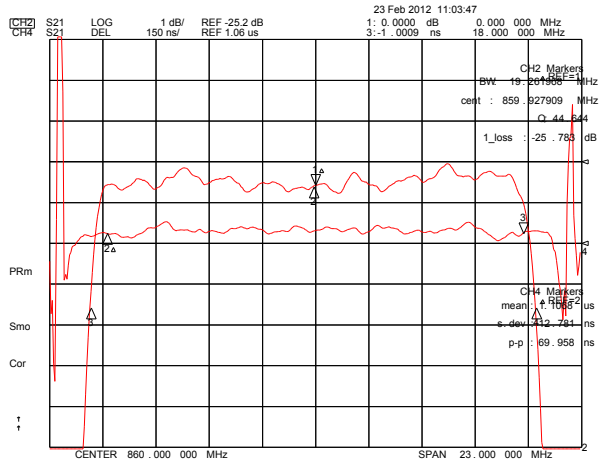
1dB Bandwidth & Ripple(Fo ± 9.0 MHz)



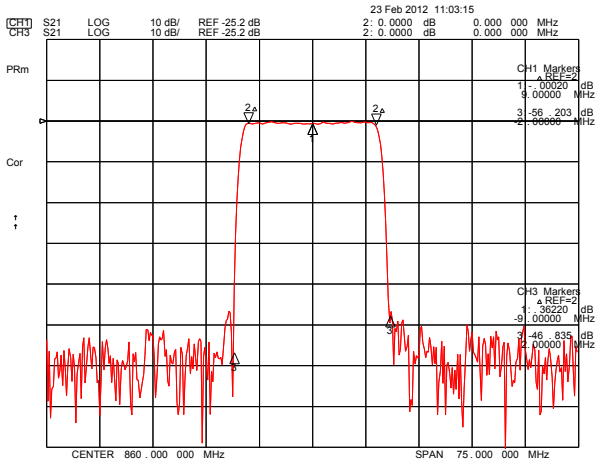
35dB Bandwidth



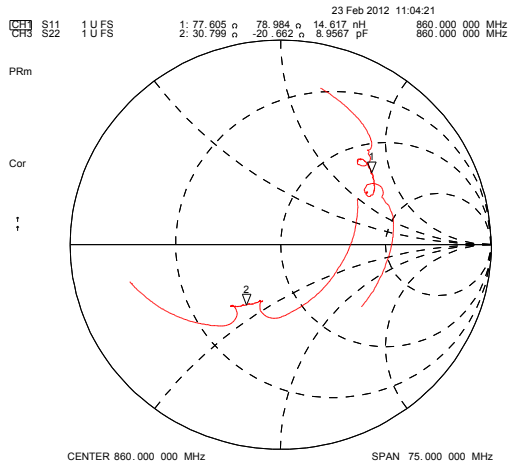
3dB Bandwidth & Group Delay(Fo ± 9.0 MHz)



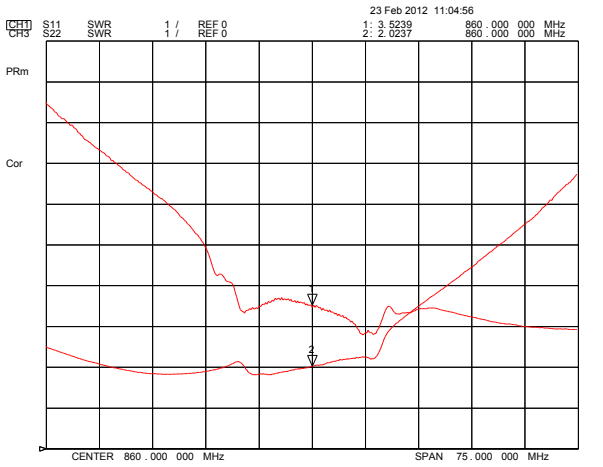
Out of Band Gain



Smith Chart(S11 & S22)



SWR(S11 & S22)



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