187.5 MHz SAW Filter
Part Number 252608B

1. Features

- Typical 1dB bandwidth of 26.3 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

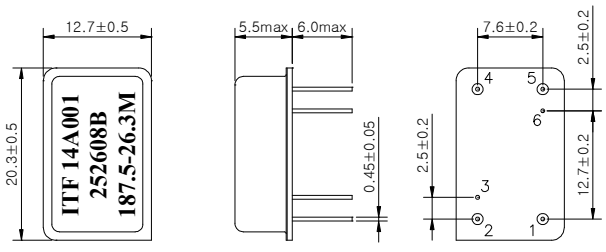
Source and Load Impedance = 50Ω

Operating Temperature : -30 ~ +70℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	187.5	-
Insertion Loss	dB	-	28.5	30.0
1dB Bandwidth	MHz	26.0	26.38	-
3dB Bandwidth	MHz	-	26.91	-
40dB Bandwidth	MHz	-	29.24	29.6
Amplitude Ripple (fo ± 12.5 MHz)	dB	-	0.45	1.2
Group Delay Variation (fo ± 12.5 MHz)	nsec	-	15	60
Absolute Delay	usec	-	1.97	-
Ultimate Rejection	dB	50	60	
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Relative Attenuation (fo ± 12.5 MHz) ± 3.0 MHz	dBc	40	60	

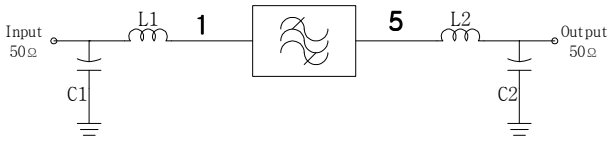
Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	28.5	30.0
Amplitude Ripple (fo ± 12.69 MHz)	dB	-	0.45	1.2
Group Delay Variation (fo ± 12.69 MHz)	nsec	-	15	60

Input POWER : +10dBm

D2012 Package Dimension



Matching Schematic



L1 =39nH, L2 = 33nH, C1 = 43pF, C2 = 33pF

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**

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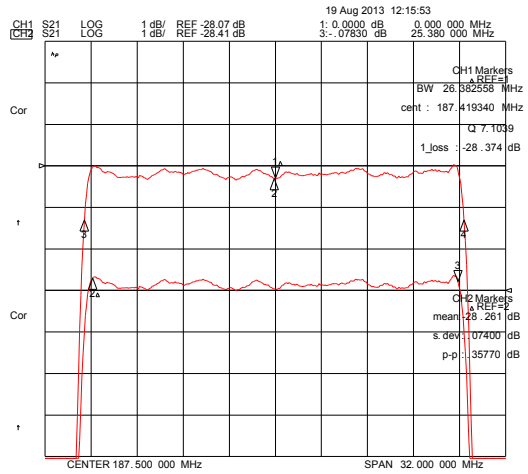
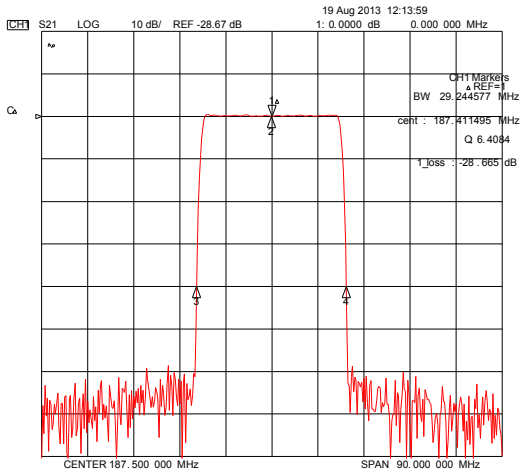
Rev 1.0

3. Typical Performance (at +25℃)

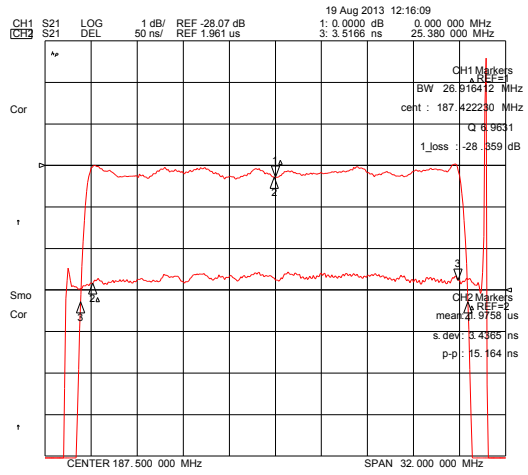
1dB Bandwidth & Ripple



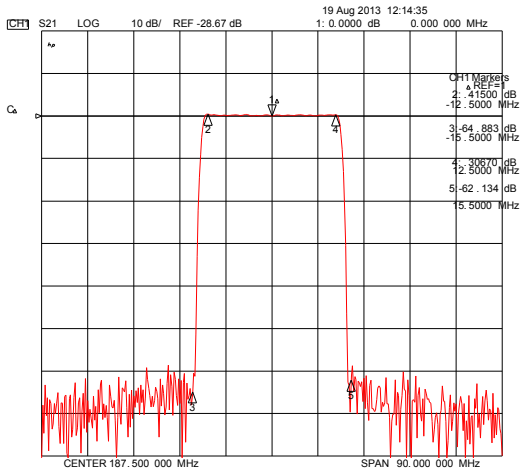
40dB Bandwidth



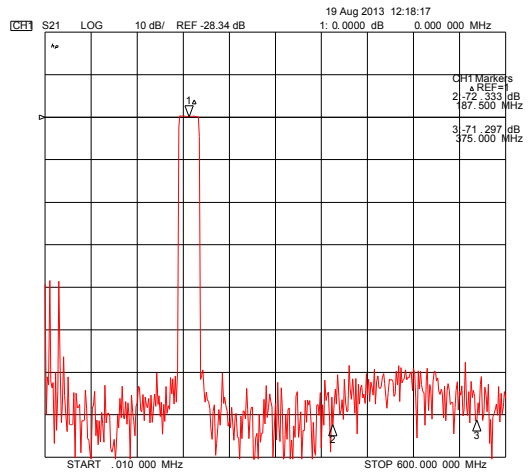
3dB Bandwidth & Group Delay



Relative Attenuation



Wideband Properties



SWR(S11 & S22)