187.5 MHz SAW Filter
Part Number 252707B

1. Features

- Typical 1dB bandwidth of 26.4 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

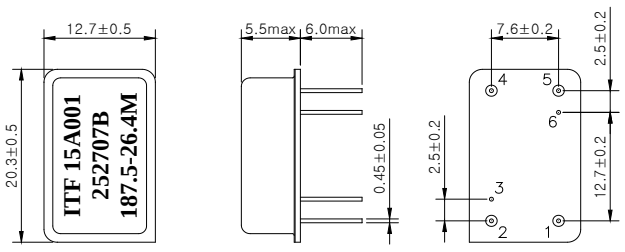
Source and Load Impedance = 50Ω

Operating Temperature : -20℃ ~ +70℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	187.3	187.5	187.7
Insertion Loss	dB	-	25.5	27.0
1dB Bandwidth	MHz	26.25	26.4	-
3dB Bandwidth	MHz	-	27.1	-
40dB Bandwidth	MHz	-	30.1	30.25
Amplitude Ripple (fo ± 12.5 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 12.5 MHz)	nsec	-	30	60
Absolute Delay	usec	-	2.18	-
Ultimate Rejection	dB	50	55	-
Relative Attenuation (Fo ± 12.5 MHz) ± 3.0 MHz	dB	40	53	
Temperature Coefficient of Frequency	ppm/℃	-	-18	-

Room Temperature : +25℃		Minimum	Typical	Maximum
Insertion Loss	dB	-	25.5	27.0
Amplitude Ripple (fo ± 12.68 MHz)	dB	-	0.6	1.2
Group Delay Variation (fo ± 12.68 MHz)	nsec	-	30	60

* Input POWER : +10dBm

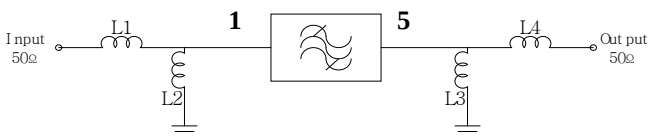
D2012 Package Dimension



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 Schematic



L1 = 68nH, L2 = 56nH, L3 = 47nH, L4 = 68nH

Pin Configuration			
Input	**1**	**Ground**	**2, 4**
Output	**5**	**Others**	**Ground**

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102-901, Bucheon Technopark 364, Samjeong-Dong,
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Gyounggi-Do, Korea 421-809

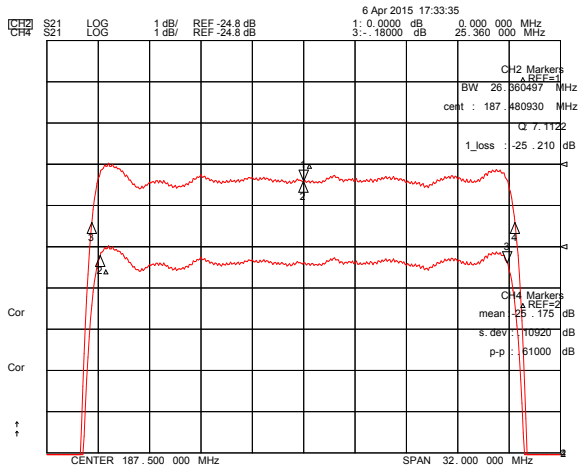
Tel: 82-32-621-1213
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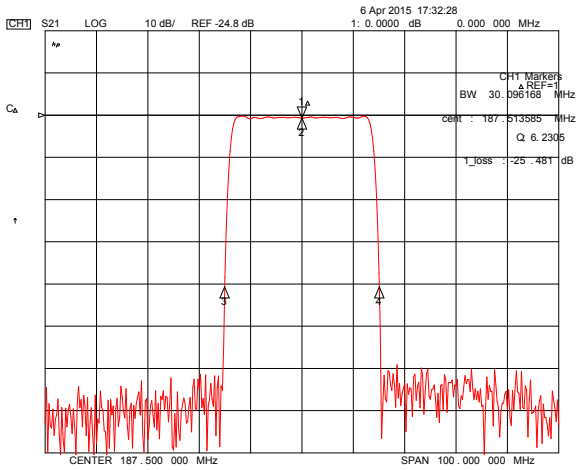
2015. 04. 06
Rev 1.0

3. Typical Performance (at +25℃)

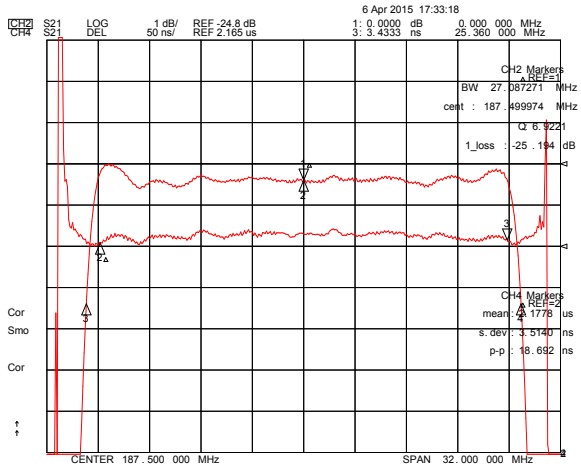
1dB Bandwidth & Ripple



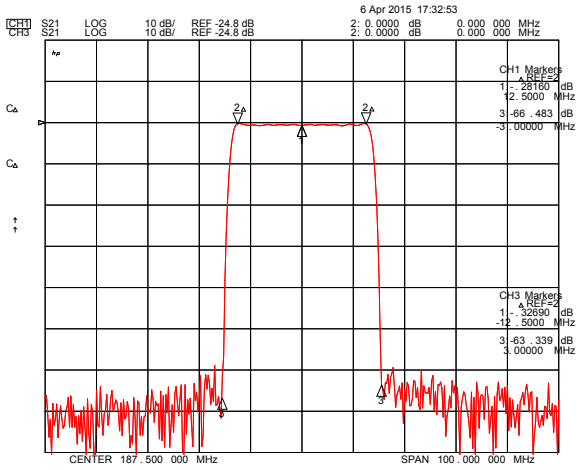
40dB Bandwidth



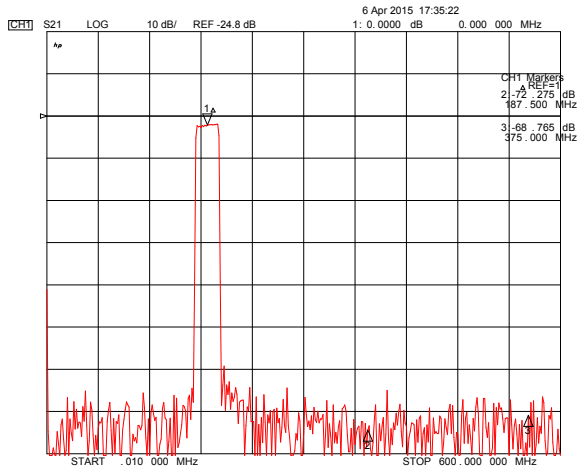
3dB Bandwidth & Group Delay



Relative Attenuation(Fo±12.5 MHz)±3.0 MHz



Wide band Properties



SWR(S11 & S22)

