159.515 MHz SAW Filter

Part Number 250517B

1. Features

- Typical 1dB bandwidth of 5.1 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

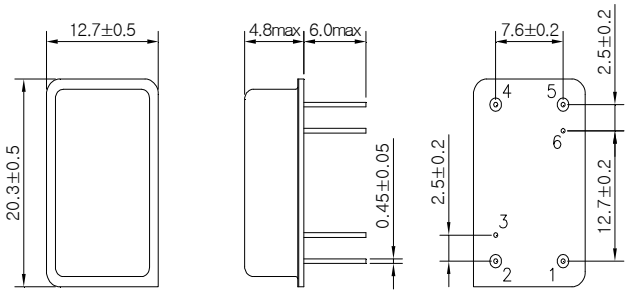
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	159.515	-
Insertion Loss	dB	-	23.5	25.5
1dB Bandwidth	MHz	5.05	5.15	-
3dB Bandwidth	MHz	-	5.33	-
40dB Bandwidth	MHz	-	6.36	6.5
Amplitude Ripple (fo ± 2.46 MHz)	dB	-	0.75	1.2
Group Delay Variation (fo ± 2.46 MHz)	nsec	-	120	250
Absolute Delay	usec	-	2.52	-
Ultimate Rejection				
149.515 ~ 153.515MHz	dB	45	50	-
165.515 ~ 169.515MHz	dB	45	50	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Relative Attenuation				
156.5MHz	dBc	15	25	-
162.25MHz	dBc	3	5	-

Input POWER : +10dBm

D2012 Package Dimension

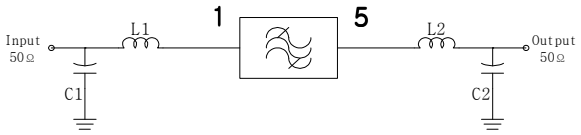


Dimensions shown are nominal in millimeters

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

Termination : Kovar, Au Plated

Matching Network Configuration



L1 = 5.6nH, L2 = 27nH

C1 = 43pF, C2 = 27pF

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

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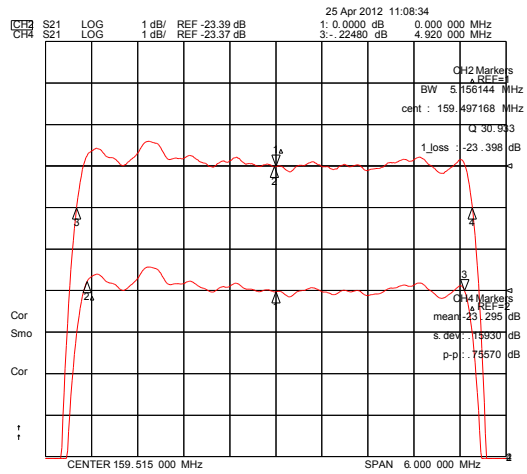
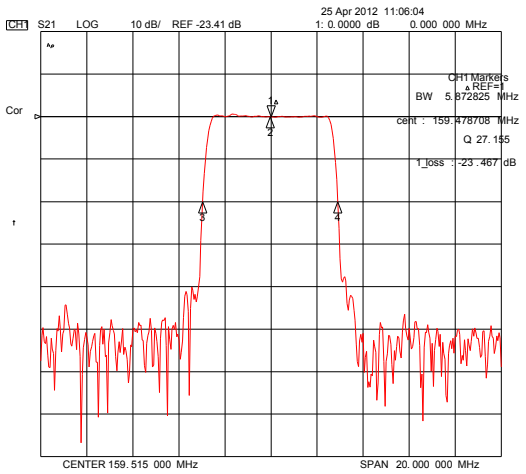
2015. 03. 25
Rev 1.0

3. Typical Performance (at +25℃)

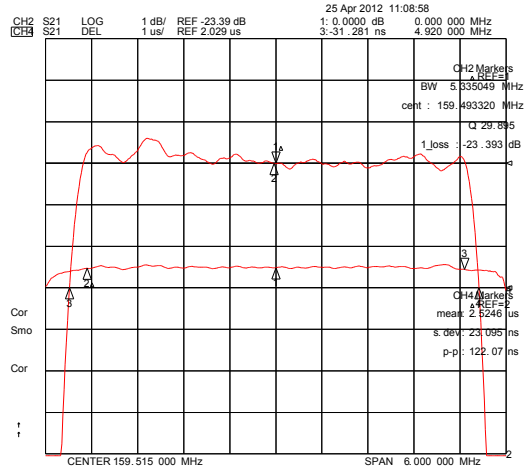
1dB Bandwidth & Ripple



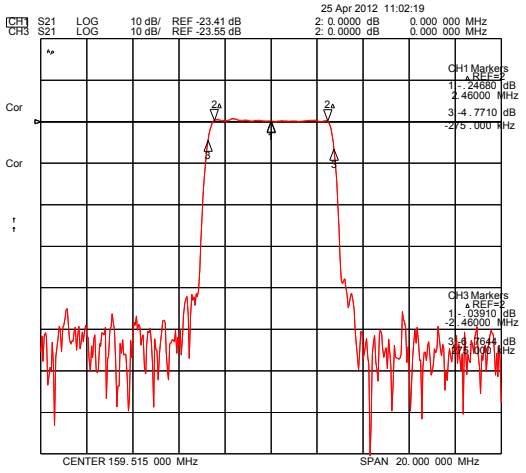
20dB Bandwidth



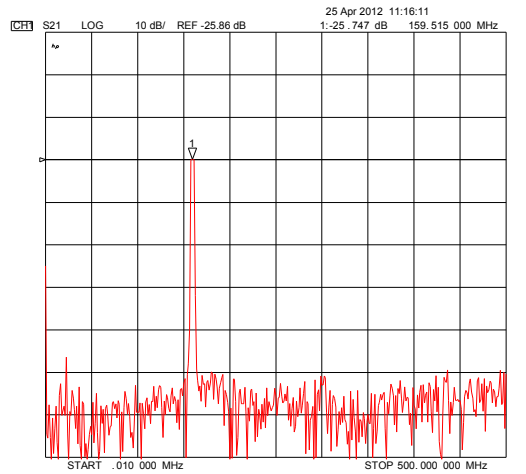
3dB Bandwidth & Group Delay



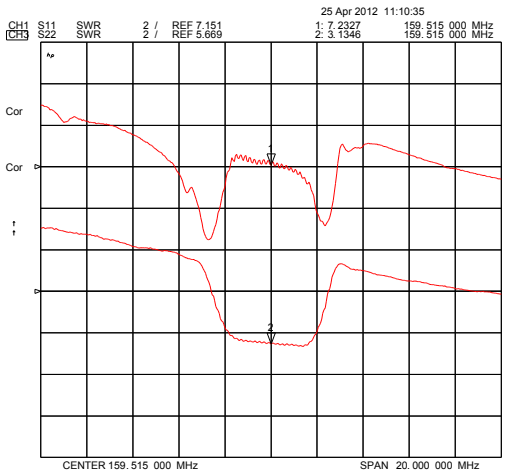
Relative Attenuation



Wide band Properties



SWR(S11 & S22)



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