295.0 MHz SAW Filter
Part Number 261406B

1. Features

- Typical 1dB bandwidth of 13.7 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

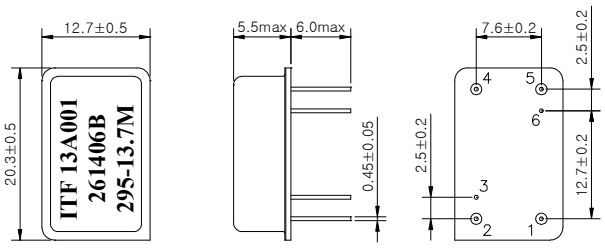
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	295.0	-
Insertion Loss	dB	-	28.6	30.0
1dB Bandwidth	MHz	13.70	13.78	-
3dB Bandwidth	MHz	-	14.16	-
45dB Bandwidth	MHz	-	15.75	15.85
Amplitude Ripple (Fo±6.7575MHz)	dB	-	0.75	1.3
Group Delay Variation (Fo±6.7575MHz)	nsec	-	50	100
Absolute Delay	usec	-	2.24	2.25
Ultimate Rejection	dB	47	52	-
Temperature Coefficient of Frequency	ppm/℃	-	-18	-
Substrate Material	-		112-LT	

Input Power : +10dBm

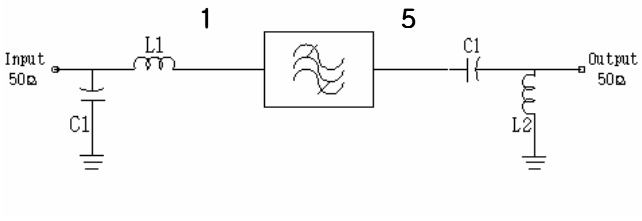
D2012 Package Dimension



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



C1 = 33pF, L1 = 3.9nH, C2 = 18pF, L2 = 15nH

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

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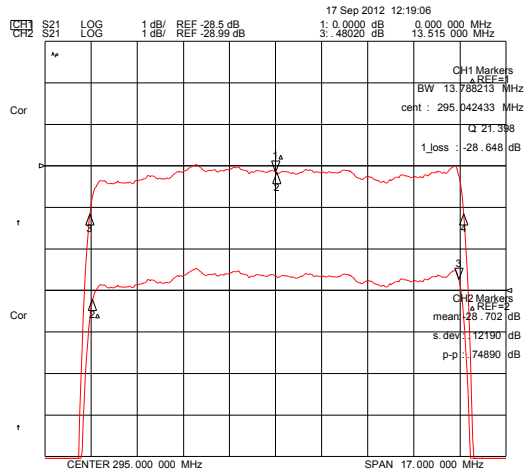
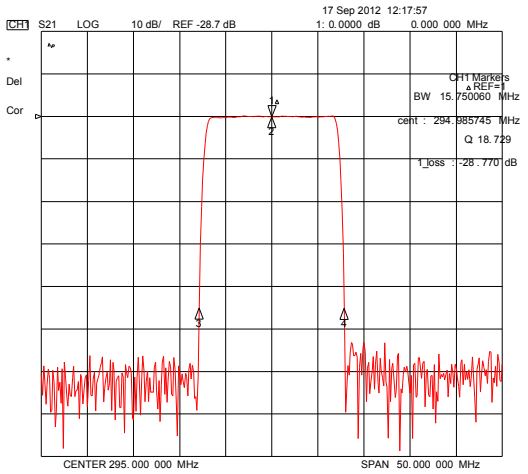
2013. 04. 01
Rev 1.0

3. Typical Performance (at +25℃)

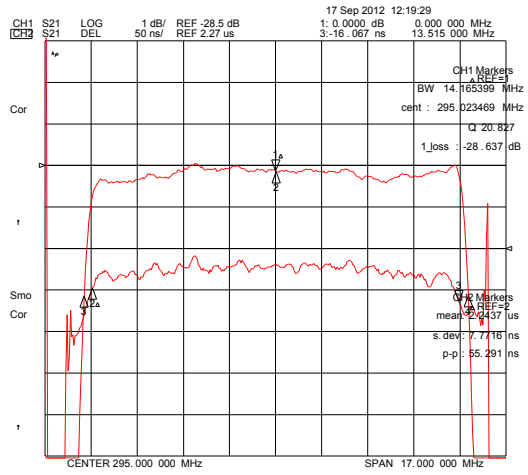
1dB Bandwidth & Ripple



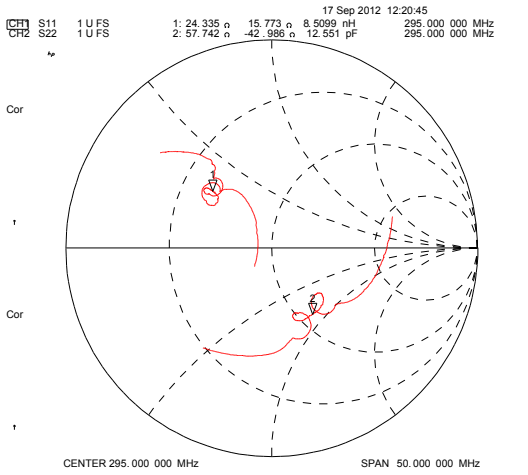
45dB Bandwidth



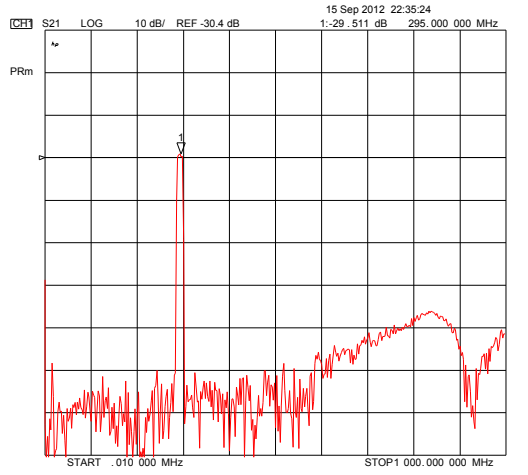
3dB Bandwidth & Group Delay



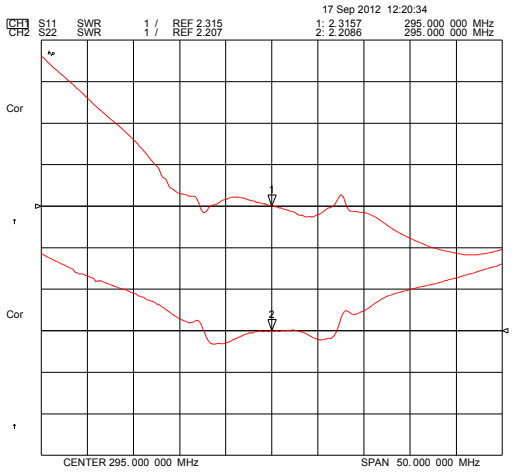
Smith Chart



Wideband Properties



SWR(S11 & S22)



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