

1. Features

- Typical 1dB bandwidth of 19.9 MHz
- Low-Loss Filter
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

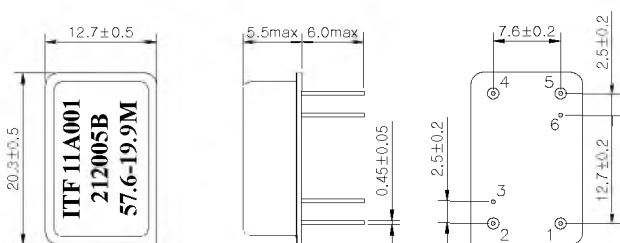
Operating Temperature : -30℃ ~ +80℃

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	57.6	-
Insertion Loss	dB	-	19.0	21.5
1dB Bandwidth	MHz	19.5	19.9	-
3dB Bandwidth	MHz	-	20.4	-
40dB Bandwidth	MHz	-	22.9	23.3
Amplitude Ripple (fo ± 9.22 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 9.22 MHz)	nsec	-	40	80
Absolute Delay	usec	-	1.54	-
Ultimate Rejection	dB	40	46	-
Temperature Coefficient of Frequency	ppm/℃	-	-86	-

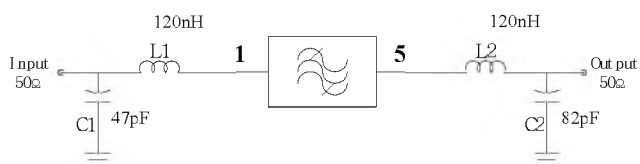
Room Temperature : +25℃

		Minimum	Typical	Maximum
Insertion Loss	dB	-	19.0	21.0
Amplitude Ripple (fo ± 9.5 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 9.5 MHz)	nsec	-	40	80

D2012 Package Dimension



Matching Schematic



Pin Configuration

Input	1	Ground	2, 4
Output	5	Others	Ground

Dimensions shown are nominal in millimeters

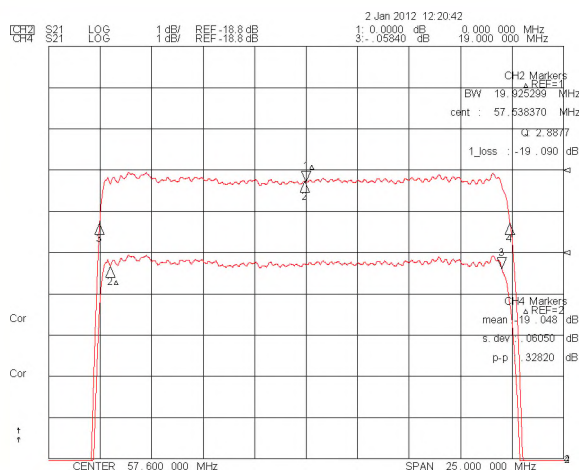
Base : Fe(SPCC), Au plating over Ni plated

Cap : Cu & Cr Alloy, Ni Plated

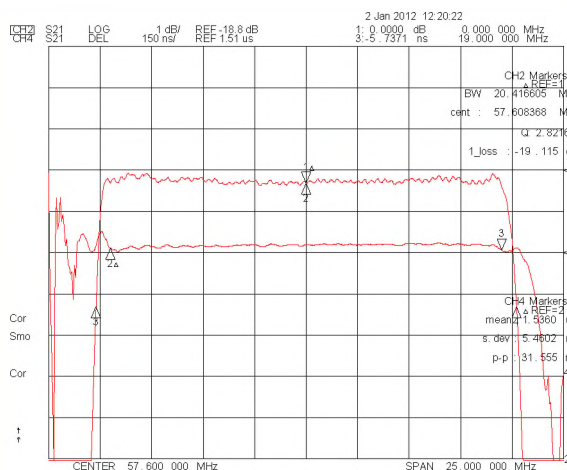
Termination : Kovar, Au Plated

3. Typical Performance (at +25°C)

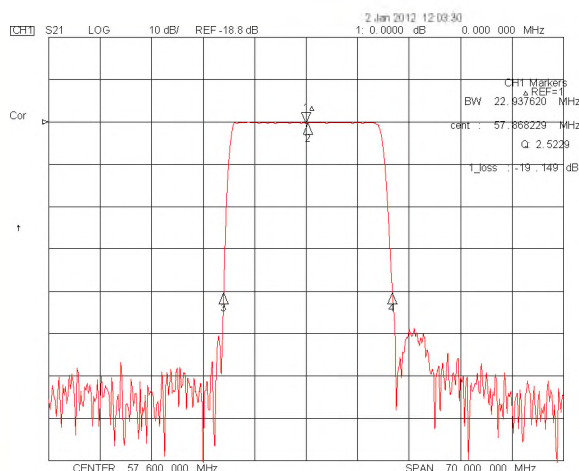
1dB Bandwidth & Ripple



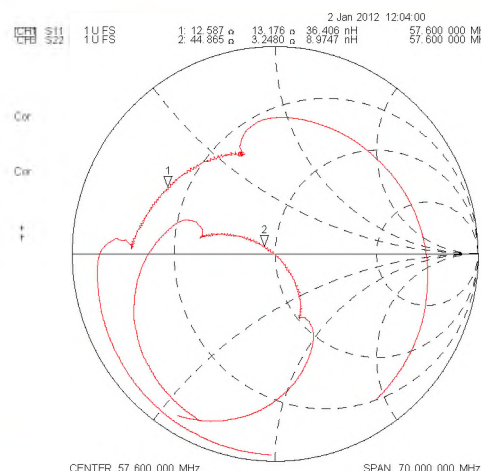
3dB Bandwidth & Group Delay



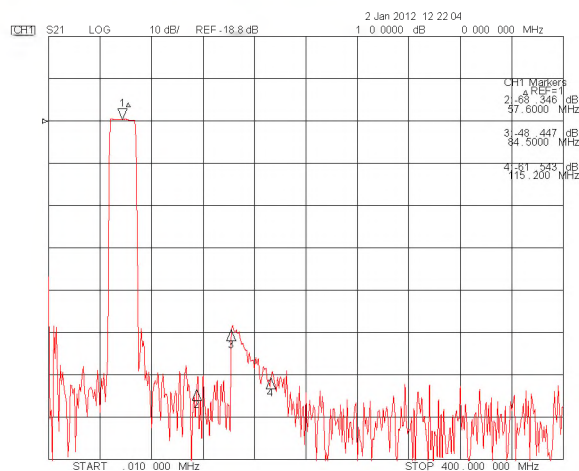
40dB Bandwidth



Smith Chart(S11 & S22)



Wide band Properties



SWR(S11 & S22)

