

1. Features

- Typical 1dB bandwidth of 19.4 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

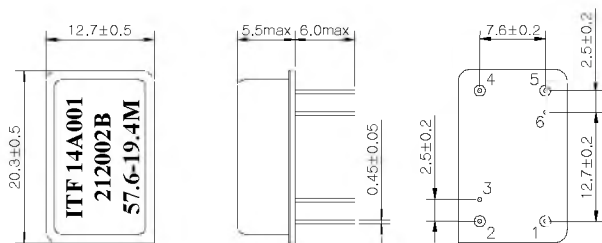
Tested by SGS Testing Korea

2. Electrical Specifications

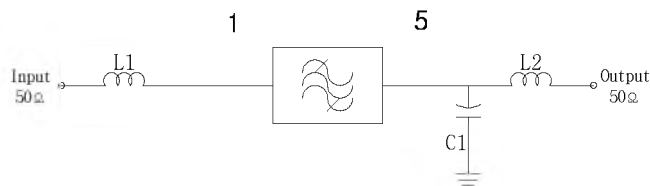
Source and Load Impedance = 50Ω

Operating Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	57.6	-
Insertion Loss	dB	-	23.2	25.0
1dB Bandwidth	MHz	19.1	19.4	-
3dB Bandwidth	MHz	-	20.05	-
40dB Bandwidth	MHz	-	22.93	23.0
Amplitude Ripple (fo ± 9.3 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 9.3 MHz)	nsec	-	30	80
Absolute Delay	usec	-	1.38	1.4
Ultimate Rejection	dB	48	52	-
Temperature Coefficient of Frequency	ppm/℃	-72		

D2012 Package Dimension



Matching Schematic



$$L1 = L2 = 270\text{nH}, C1 = 10\text{pF}$$

Dimensions shown are nominal in millimeters

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

Cap : Cu & Cr Alloy, Ni Plated

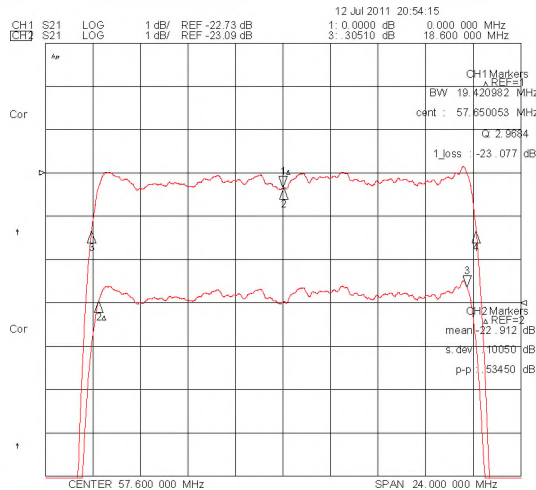
Termination : Kovar, Au Plated

Pin Configuration

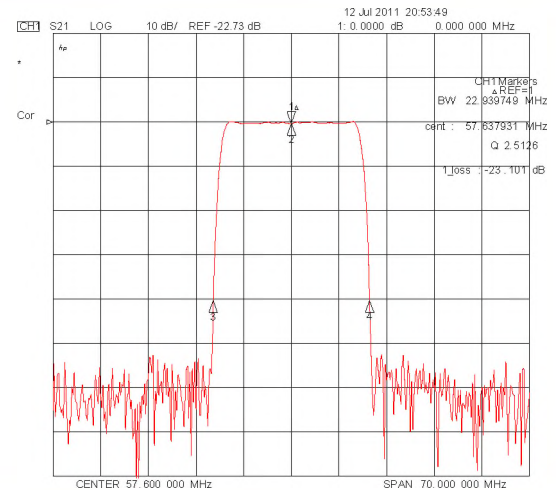
Input	1	Ground	2,4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

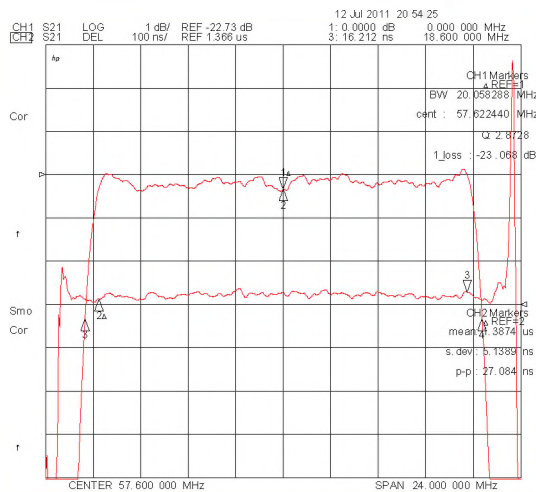
1dB Bandwidth & Ripple



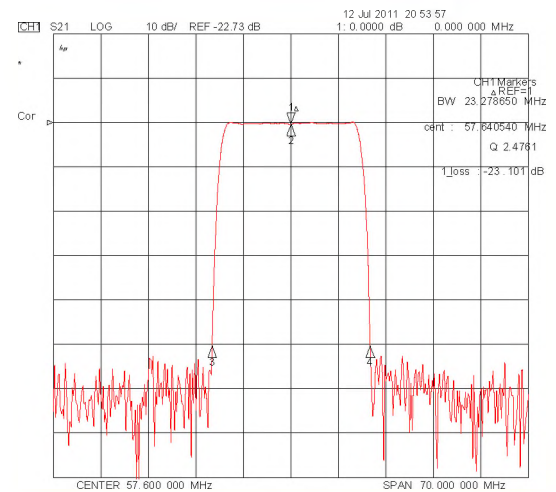
40dB Bandwidth



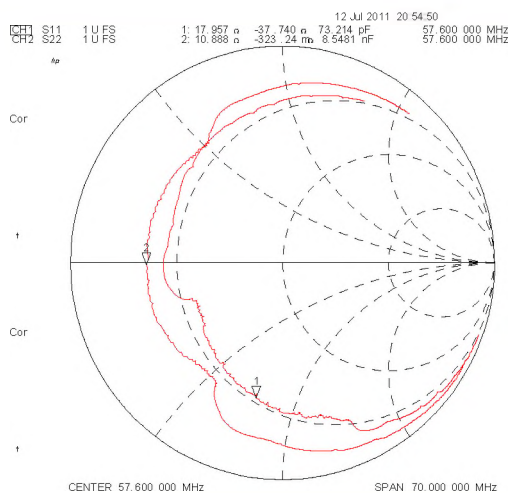
3dB Bandwidth & Group Delay



50dB Bandwidth



Smith Chart (S11 & S22)



SWR (S11 & S22)

