

1. Features

- Typical 1dB bandwidth of 0.35MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

Tested by SGS Testing Korea

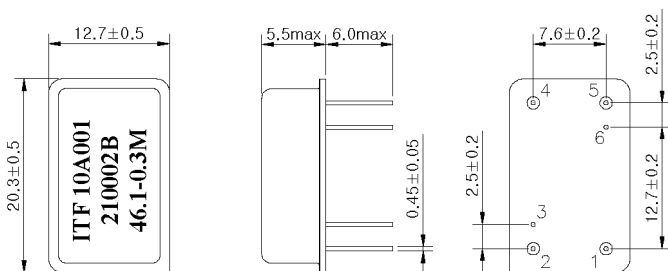
2. Electrical Specifications

Source and Load Impedance = 50Ω

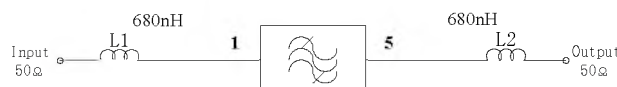
Operating Temperature : +25°C

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	46.1	-
Insertion Loss	dB	-	15.0	17.5
1dB Bandwidth	MHz	-	0.35	-
3dB Bandwidth	MHz	0.4	0.55	-
40dB Bandwidth	MHz	-	1.65	1.8
Amplitude Ripple (fo ± 0.1 MHz)	dB	-	0.2	1.0
Group Delay Variation (fo ± 0.1 MHz)	nsec	-	200	350
Absolute Delay	usec	-	1.9	-
Ultimate Rejection	dB	50	57	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

D2012 Package Dimension



Matching Schematic



Dimensions shown are nominal in millimeters

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

Cap : Cu & Cr Alloy, Ni Plated

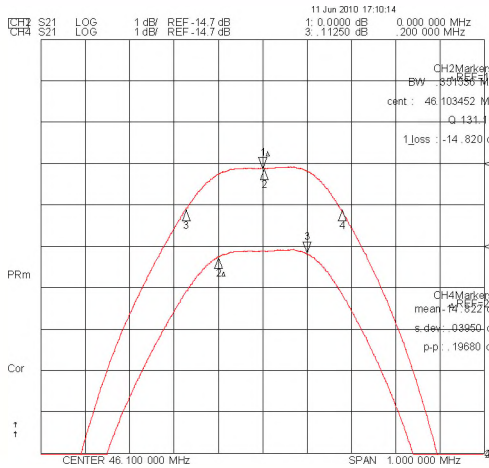
Termination : Kovar, Au Plated

Pin Configuration

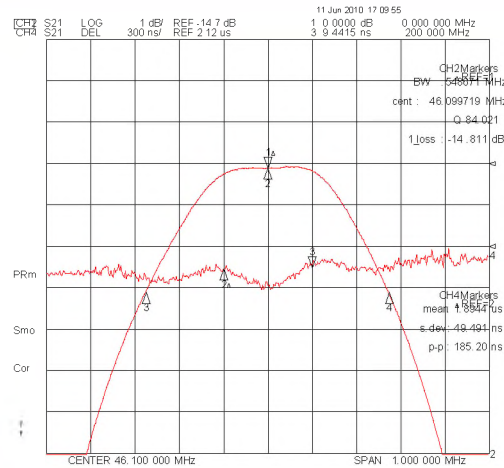
Input	1	Ground	2, 4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

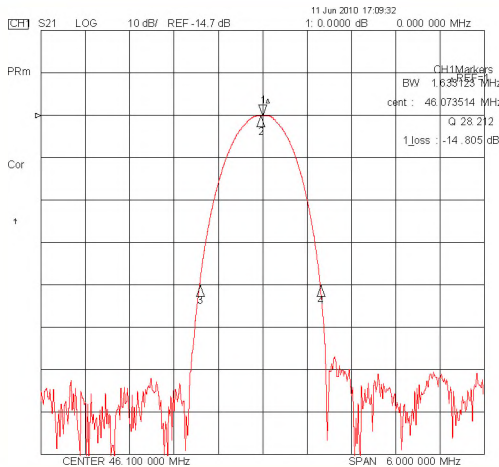
1dB Bandwidth & Ripple



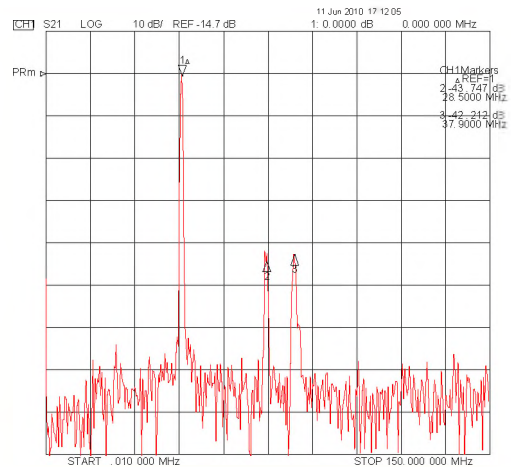
3dB Bandwidth & Group Delay



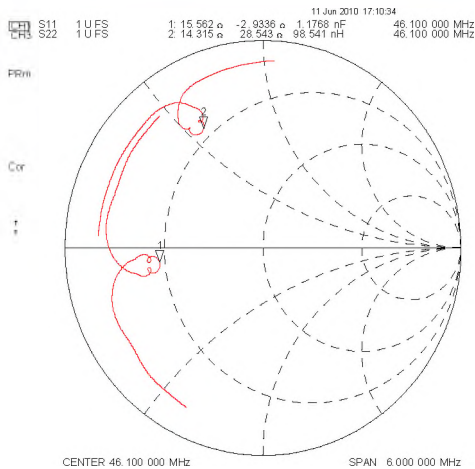
40dB Bandwidth



Wideband Properties



Smith Chart(S11 & S22)



SWR(S11 & S22)

