

1. Features

- Typical 1dB bandwidth of 18.95 MHz
- High attenuation
- Single Ended Operation
- Dual In-line Package (DIP)

RoHS Compliant

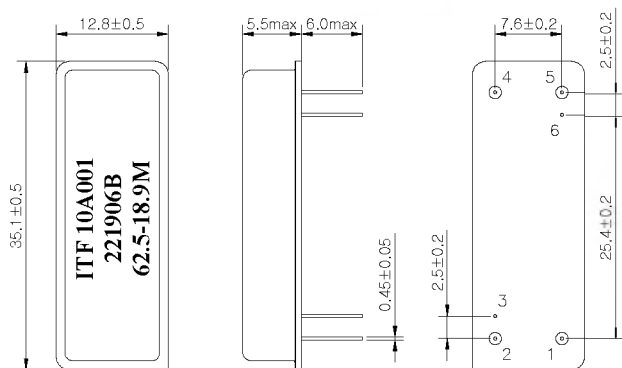
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	62.5	-
Insertion Loss	dB	-	23.6	26.0
1dB Bandwidth	MHz	18.85	18.95	-
3dB Bandwidth	MHz	-	19.18	-
40dB Bandwidth	MHz	-	20.12	20.25
Amplitude Ripple (fo ± 9.22 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 9.22 MHz)	nsec	-	45	80
Absolute Delay	usec	-	2.97	-
Ultimate Rejection	dB	50	52	-
Out of band gain	fo ± 10.0 MHz	dB	25	30
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

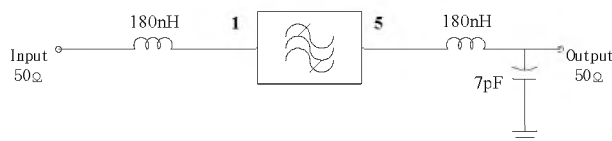
D3512 Package Dimension



Dimensions shown are nominal in millimeters

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

Matching Schematic

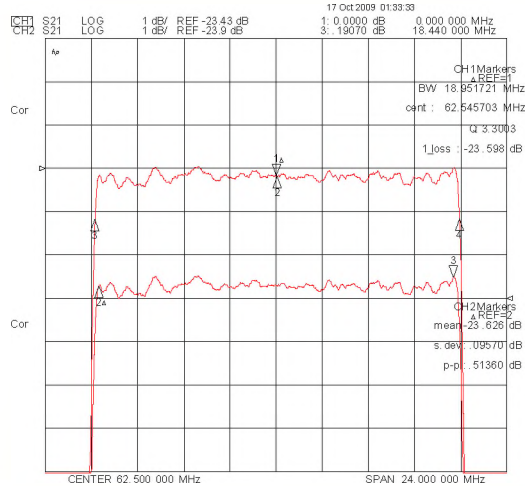


Pin Configuration

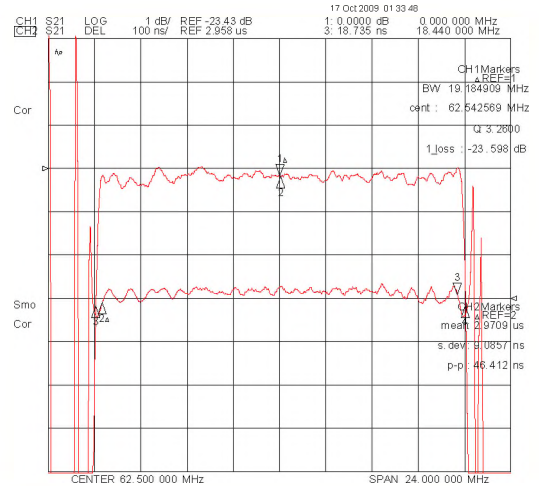
Input	1	Ground	2,4
Output	5	Others	Ground

3. Typical Performance (at +25°C)

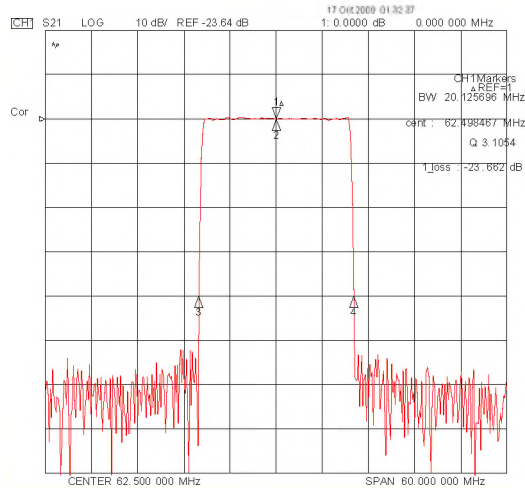
1dB Bandwidth & Ripple



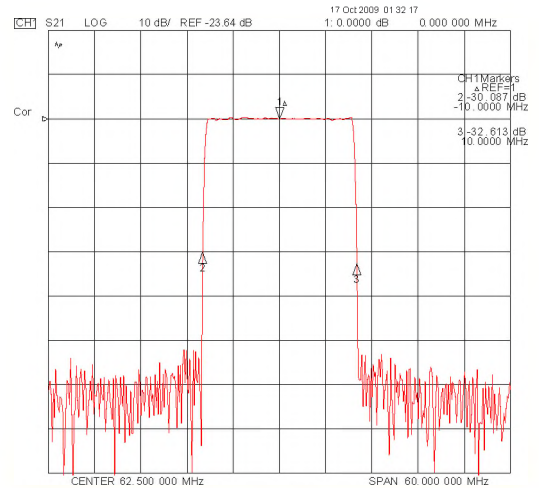
3dB Bandwidth & Group Delay



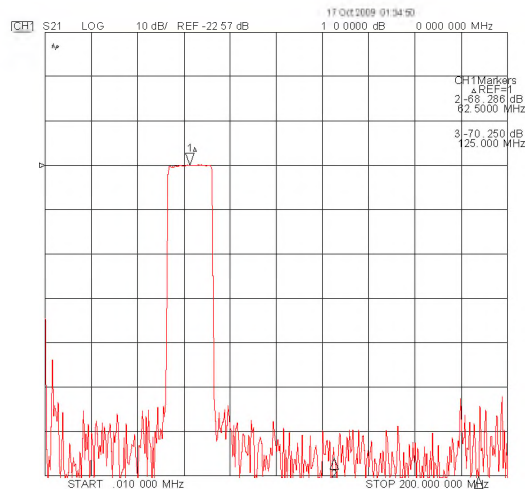
50dB Bandwidth



Ultimate Rejection



Wide band Properties



SWR(S11 & S22)

