

1. Features

- Typical 1dB bandwidth of 19.75 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

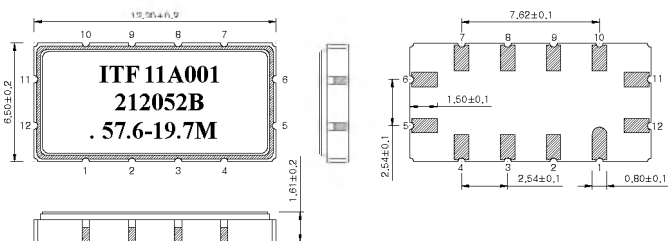
Operating Temperature : -30℃ ~ +60℃

		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	57.6	-
Insertion Loss	dB	-	15.5	18.0
1dB Bandwidth	MHz	19.3	19.75	-
3dB Bandwidth	MHz	-	20.3	-
40dB Bandwidth	MHz	-	23.6	23.9
Amplitude Ripple (fo ± 9.22 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 9.22 MHz)	nsec	-	35	70
Absolute Delay	usec	-	1.39	1.4
Ultimate Rejection	dB	40	47	-
Temperature Coefficient of Frequency	ppm/℃	-	-86	-

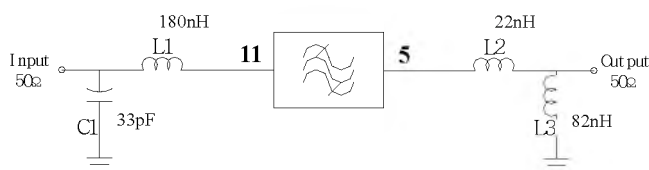
Room Temperature : +25℃

		Minimum	Typical	Maximum
Insertion Loss	dB	-	15.5	17.5
Amplitude Ripple (fo ± 9.45 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 9.45 MHz)	nsec	-	35	70
Relative Attenuation				
Fo - 13.8 MHz	dB	60	65	-

S1365 Package Dimension



Matching Schematic



Pin Configuration

Input	11	Ground	6, 12
Output	5	Others	Ground

Dimensions shown are nominal in millimeters

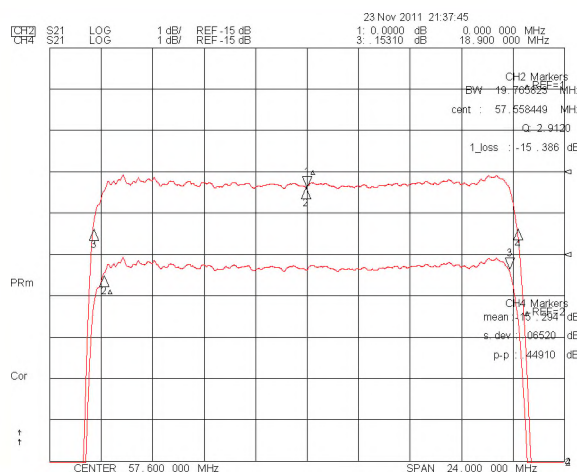
Body : Al₂O₃

Lid : Kovar, Ni Plated

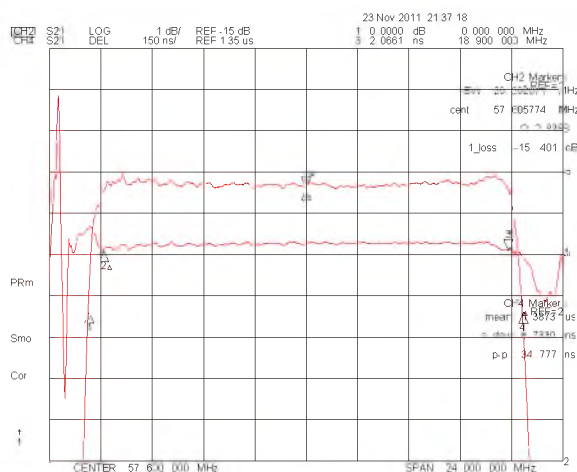
Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

3. Typical Performance (at +25°C)

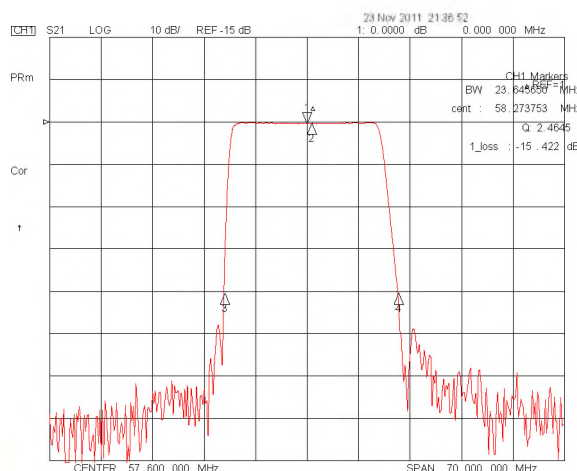
1dB Bandwidth & Ripple



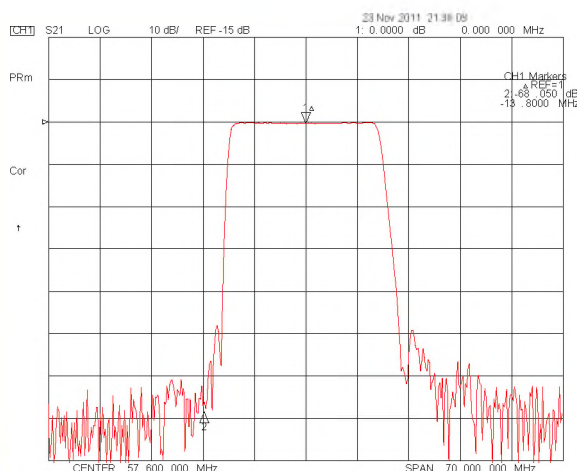
3dB Bandwidth & Group Delay



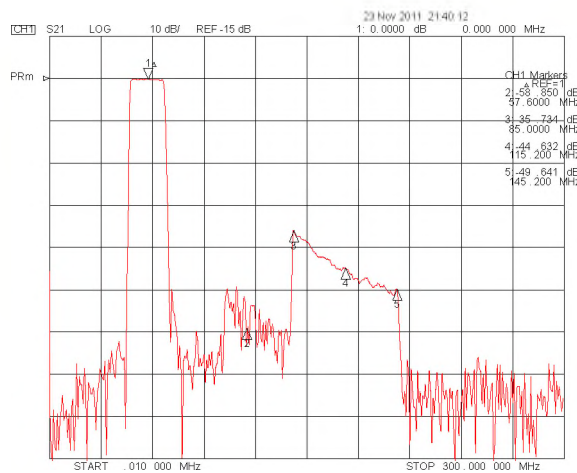
40dB Bandwidth



Relative Attenuation(Fo – 13.8 MHz)



Wide band Properties



SWR(S11 & S22)

