

1. Features

- Typical 1dB bandwidth of 7.65 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

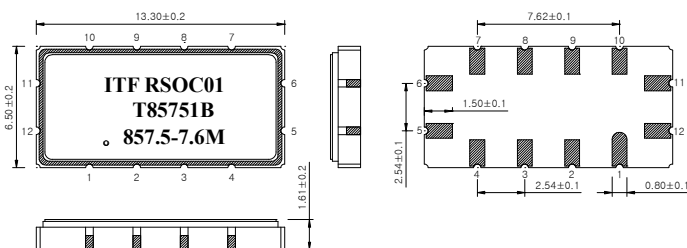
Tested by SGS Testing Korea

2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25℃		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	857.5	-
Insertion Loss	dB	-	24.5	26.5
1dB Bandwidth	MHz	-	7.65	-
3dB Bandwidth	MHz	7.8	8.12	-
40dB Bandwidth	MHz	-	10.2	10.4
Amplitude Ripple (fo ± 3.5 MHz)	dB	-	0.75	1.5
Group Delay Variation (fo ± 3.5 MHz)	nsec	-	50	150
Absolute Delay	usec	-	1.6	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/℃ ²	-0.03		

S1365 Package Dimension



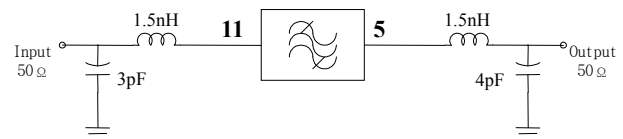
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

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

Matching Network Configuration

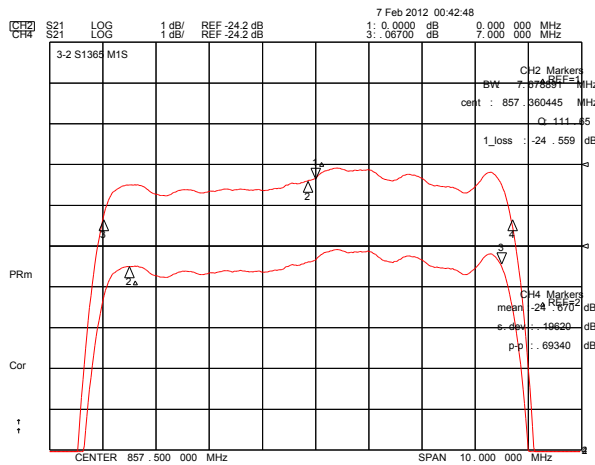


Pin Configuration

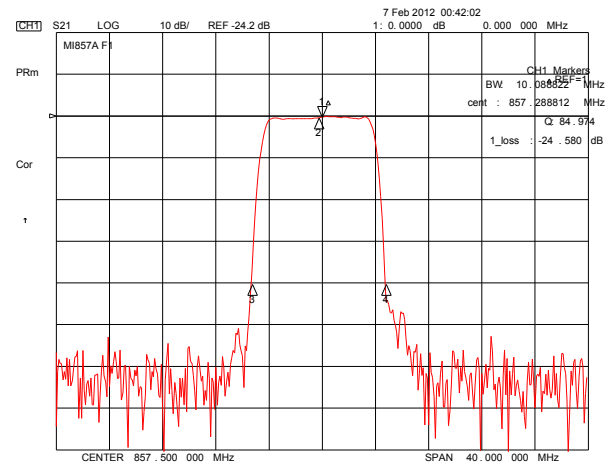
Input	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

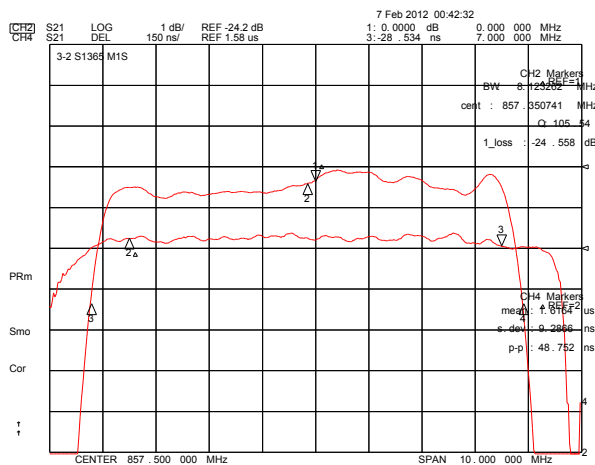
1dB Bandwidth & Ripple($F_0 \pm 3.5$ MHz)



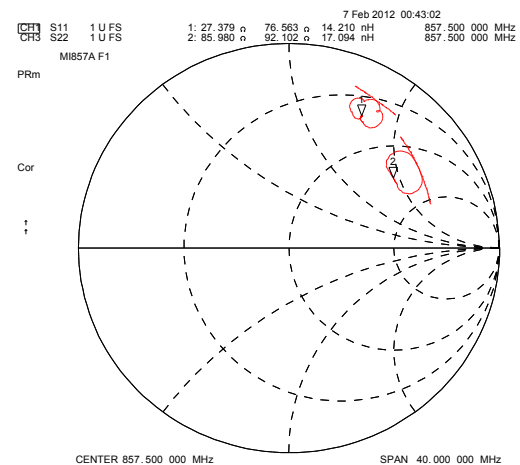
40dB Bandwidth



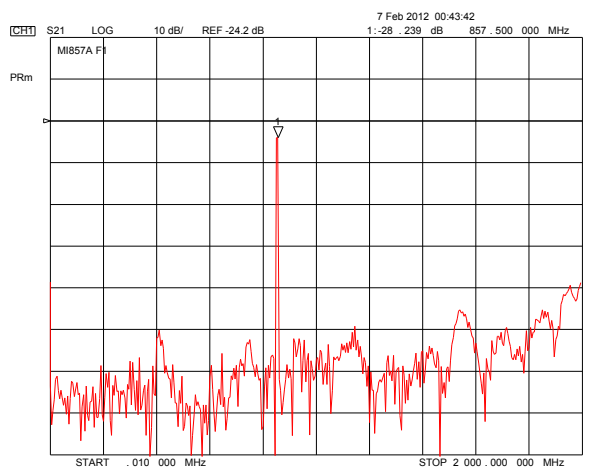
3dB Bandwidth & Group Delay($F_0 \pm 3.5$ MHz)



Smith Chart(S11 & S22)



Wideband Properties



SWR(S11 & S22)

