

1. Features

- Typical 1dB bandwidth of 27.64 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

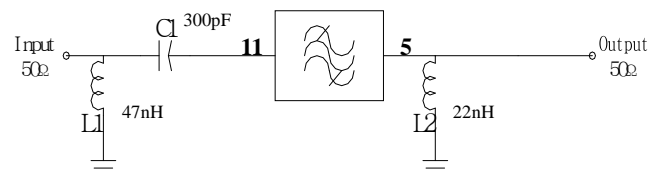
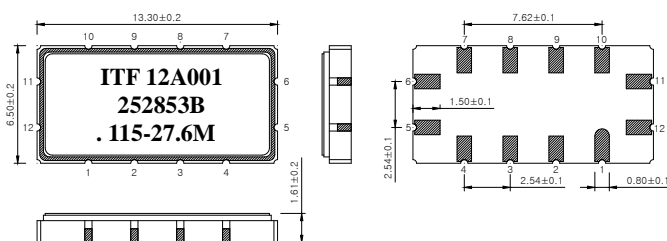
Source and Load Impedance = 50

Operating Temperature : -10°C ~ +50°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	115.0	-
Insertion Loss	dB	-	12.0	14.5
1dB Bandwidth	MHz	27.0	27.64	-
3dB Bandwidth	MHz	-	28.5	-
40dB Bandwidth	MHz	-	32.7	33.3
Amplitude Ripple (fo ± 12.5 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 12.5 MHz)	nsec	-	30	70
Absolute Delay	usec	-	0.88	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	12.0	14.0
Amplitude Ripple (fo ± 12.8 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 12.8 MHz)	nsec	-	30	70

S1365 Package Dimension

Matching Schematic



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

Pin Configuration

Pin Configuration			
Input	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25)

