

1. Features

- Typical 1dB bandwidth of 21.65 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

RoHS Compliant

Tested by SGS Testing Korea

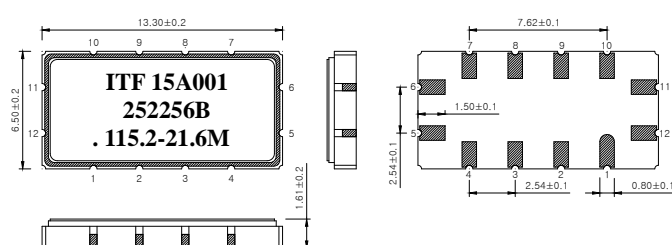
2. Electrical Specifications

Source and Load Impedance = 50

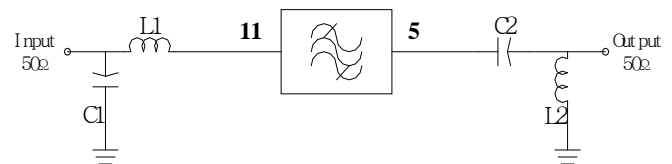
Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	115.05	115.2	115.35
Insertion Loss	dB	-	18.0	20.0
1dB Bandwidth	MHz	21.2	21.65	-
3dB Bandwidth	MHz	-	22.34	-
40dB Bandwidth	MHz	-	25.7	26.2
Amplitude Ripple (fo ± 10.0 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 10.0 MHz)	nsec	-	60	100
Absolute Delay	usec	-	1.18	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	18.0	19.5
Amplitude Ripple (fo ± 10.55 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 10.55 MHz)	nsec	-	60	100
Relative Attenuation				
Fo – 13.8 MHz	dB	55	60	-

S1365 Package Dimension



Matching Schematic



C1 = 33pF, L1 = 27nH, C2 = 75pF, L2 = 27nH

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°C)

