

1. Features

- Typical 1dB bandwidth of 6.85 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

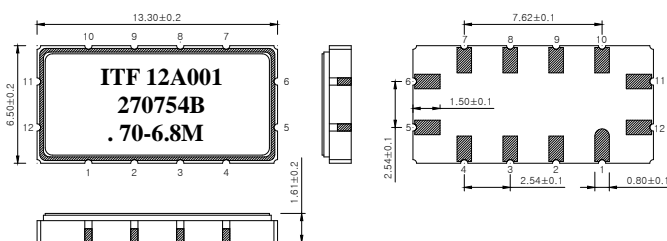
2. Electrical Specifications

Source and Load Impedance = 50

Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	13.0	16.0
1dB Bandwidth	MHz	6.4	6.85	-
3dB Bandwidth	MHz	-	7.83	-
40dB Bandwidth	MHz	-	11.8	12.3
Amplitude Ripple (fo ± 2.46 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 2.46 MHz)	nsec	-	35	70
Absolute Delay	usec	-	0.77	0.8
Ultimate Rejection	dB	38	43	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	13.0	15.5
Amplitude Ripple (fo ± 2.8 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 2.8 MHz)	nsec	-	35	70

S1365 Package Dimension



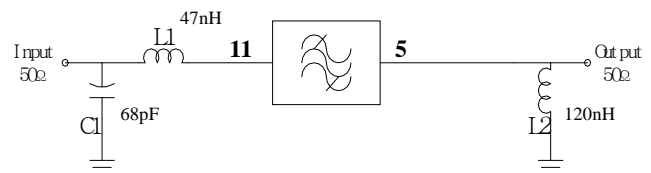
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

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

Matching Schematic



Pin Configuration

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

3. Typical Performance (at +25)

