

1. Features

- Typical 1dB bandwidth of 2.25 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

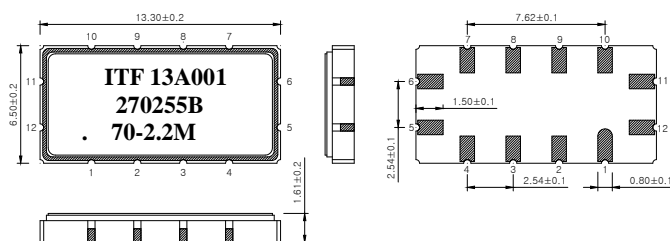
2. Electrical Specifications

Source and Load Impedance = 50

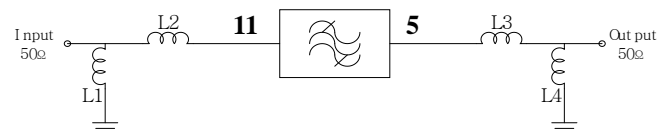
Operating Temperature : -30°C ~ +80°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	12.0	14.0
1dB Bandwidth	MHz	-	2.25	-
3dB Bandwidth	MHz	2.5	2.9	-
40dB Bandwidth	MHz	-	5.3	5.6
Amplitude Ripple (fo ± 0.75 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 0.75 MHz)	nsec	-	60	100
Absolute Delay	usec	-	1.19	-
Ultimate Rejection	dB	43	48	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	12.0	13.5
Amplitude Ripple (fo ± 0.85 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 0.85 MHz)	nsec	-	60	100

S1365 Package Dimension



Matching Schematic



L1 = 82nH, L2 = 56nH, L3 = 39nH, L4 = 56nH

Pin Configuration

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)

