

1. Features

- Typical 1dB bandwidth of 28.7 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

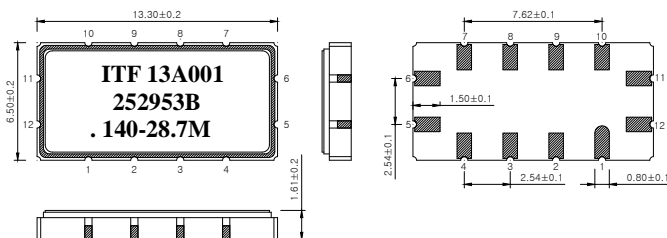
2. Electrical Specifications

Source and Load Impedance = 50

Operating Temperature : -30°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	12.5	14.5
1dB Bandwidth	MHz	28.3	28.7	-
3dB Bandwidth	MHz	-	29.8	-
40dB Bandwidth	MHz	-	35.7	36.2
Amplitude Ripple (fo ± 12.8 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 12.8 MHz)	nsec	-	40	80
Absolute Delay	usec	-	0.68	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	12.5	14.0
Amplitude Ripple (fo ± 13.5 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 13.5 MHz)	nsec	-	40	80

S1365 Package Dimension



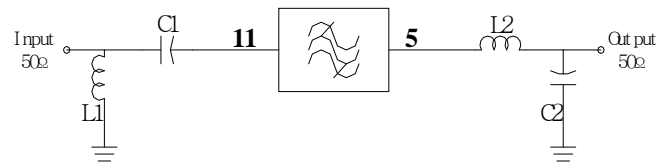
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

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

Matching Schematic



L1 = 56nH, C1 = 270pF, L2 = 33nH, C2 = 62pF

Pin Configuration

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

3. Typical Performance (at +25°C)

