

1. Features

- Typical 1dB bandwidth of 21.85 MHz
- Low-Loss Filter
- Single Ended Operation
- Surface Mounted Package (SMD)

RoHS Compliant

Tested by SGS Testing Korea

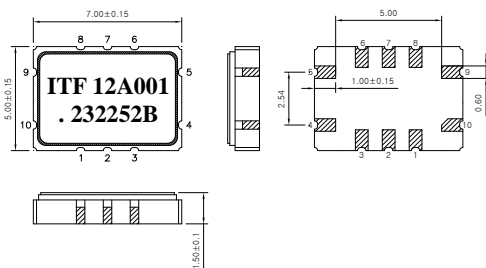
2. Electrical Specifications

Source and Load Impedance = 50

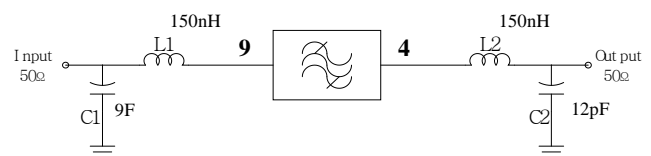
Operating Temperature : 0 °C ~ +80 °C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	77.5	-
Insertion Loss	dB	-	13.5	16.0
1dB Bandwidth	MHz	21.4	21.85	-
3dB Bandwidth	MHz	-	23.12	-
35dB Bandwidth	MHz	-	28.2	28.6
Amplitude Ripple (fo ± 9.75 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 9.75 MHz)	nsec	-	30	60
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	-	13.5	15.5
Amplitude Ripple (fo ± 10.02 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo ± 10.02 MHz)	nsec	-	30	60
Relative Attenuation				
Edge(67.75 MHz) – 5.0 MHz	dB	25	50	-
Edge(87.25 MHz) + 5.0 MHz	dB	25	40	-
135.0 MHz ~ 270.0 MHz	dB	30	35	-

S7050 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

	9	Ground	5, 10
Input	9	Ground	5, 10
Output	4	Others	Ground

3. Typical Performance (at +25)

