

1. Features

- Typical 1dB bandwidth of 12.25 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

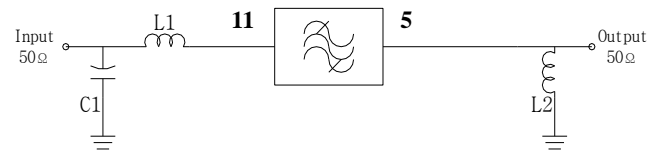
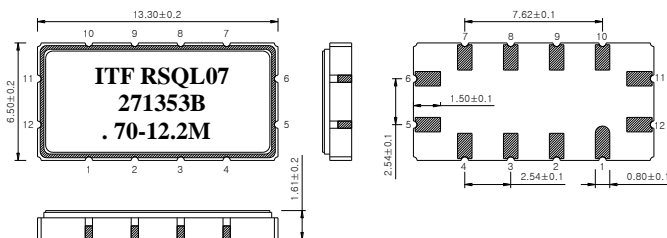
Source and Load Impedance = 50Ω

Operating Temperature : -40°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	12.0	14.5
1dB Bandwidth	MHz	11.8	12.25	-
3dB Bandwidth	MHz	-	13.18	-
40dB Bandwidth	MHz	-	16.9	17.4
Amplitude Ripple (fo ± 5.0 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 5.0 MHz)	nsec	-	35	70
Absolute Delay	usec	-	1.17	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	12.0	14.0
Amplitude Ripple (fo ± 5.38 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 5.38 MHz)	nsec	-	35	70

S1365 Package Dimension

Matching Schematic



C1 = 22pF, L1 = 120nH, L2 = 100nH

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)

