

1. Features

- Typical 1dB bandwidth of 12.08 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

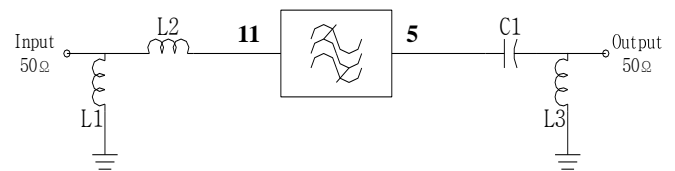
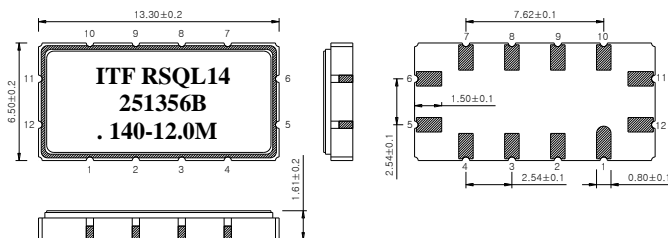
Source and Load Impedance = 50Ω

Operating Temperature : -40°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	140.0	-
Insertion Loss	dB	-	13.5	16.0
1dB Bandwidth	MHz	11.8	12.08	-
3dB Bandwidth	MHz	-	13.04	-
40dB Bandwidth	MHz	-	17.5	18.0
Amplitude Ripple (fo ± 5.0 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 5.0 MHz)	nsec	-	45	100
Absolute Delay	usec	-	0.85	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	13.5	15.5
Amplitude Ripple (fo ± 5.16 MHz)	dB	-	0.4	1.0
Group Delay Variation (fo ± 5.16 MHz)	nsec	-	45	100

S1365 Package Dimension

Matching Schematic



L1 = L3 = 22nH, L2 = 10nH, C1 = 470pF

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			
Input	11	Ground	6, 12
Output	5	Others	Ground

3. Typical Performance (at +25°C)

