

1. Features

- Typical 1dB bandwidth of 42.4 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package
- RoHS/RoHS2 (2015/863/EU) Compliant and REACH compliance

RoHS Compliant

Tested by SGS Testing Korea

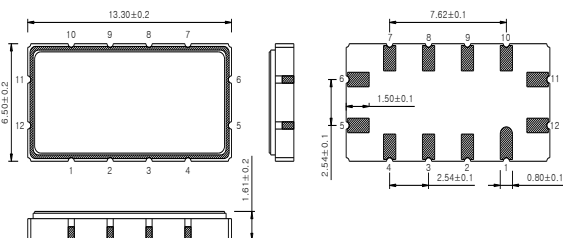
2. Electrical Specifications

Source and Load Impedance = 50Ω

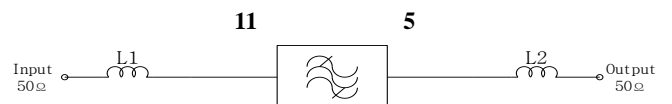
Room Temperature : +25 °C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	76.8	-
Insertion Loss	dB	-	20.0	21.5
1dB Bandwidth	MHz	42.0	42.4	-
3dB Bandwidth	MHz	43.0	43.6	-
40dB Bandwidth	MHz	-	50.0	50.8
Amplitude Ripple (fo ± 20.0 MHz)	dB	-	0.7	1.0
Group Delay Variation (fo ± 20.0 MHz)	nsec	-	20	70
Absolute Delay	usec	-	0.88	-
Ultimate Rejection	dB	40	43	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Due to variances in a PCB layout and parasitics, actual matching values may have to be changed accordingly.

S1365 Package Dimension



Matching Schematic



L1 = 100nH, L2 = 68nH

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)

