

1. Features

- Typical 1dB bandwidth of 9.31 MHz
- High attenuation
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package
- RoHS/RoHS2 (2015/863/EU) Compliant

RoHS Compliant

Tested by SGS Testing Korea

2. Electrical Specifications

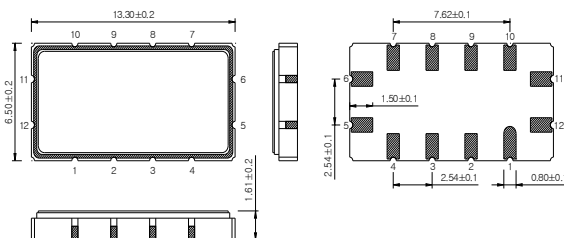
Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	24.0	25.5
1dB Bandwidth	MHz	9.15	9.31	-
3dB Bandwidth	MHz	-	9.57	-
40dB Bandwidth	MHz	-	10.88	11.0
Amplitude Ripple (fo ± 4.5 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo ± 4.5 MHz)	nsec	-	60	150
Absolute Delay	usec	-	1.6	-
Ultimate Rejection	dB	38	43	-
Relative Attenuation (Fo ± 4.5 MHz) ± 1.0 MHz	dBc	32	43	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

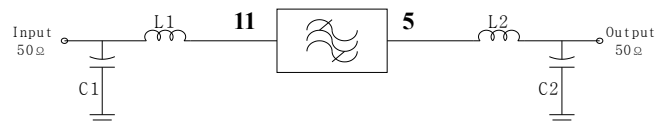
* Input POWER : +10dBm

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

S1365 Package Dimension



Matching Schematic



C1 = 62pF, L1 = 180nH, L2 = 220nH, C2 = 68pF

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

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

3. Typical Performance (at +25°C)

