

1. Features

- Typical 1dB bandwidth of 5.1 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package
- RoHS/RoHS2 Compliant

RoHS Compliant

Tested by SGS Testing Korea

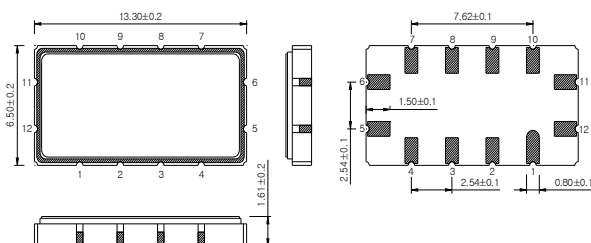
2. Electrical Specifications

Source and Load Impedance = 50Ω

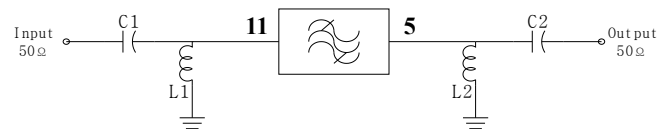
Operating Temperature : -30°C ~ +85°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	70.0	-
Insertion Loss	dB	-	7.6	9.5
1dB Bandwidth	MHz	4.8	5.1	-
3dB Bandwidth	MHz	5.5	5.8	-
40dB Bandwidth	MHz	-	8.1	8.3
Amplitude Ripple (fo ± 1.93 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 1.93 MHz)	nsec	-	70	120
Absolute Delay	usec	-	1.28	-
Ultimate Rejection	dB	40	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	7.6	9.0
Amplitude Ripple (fo ± 2.3 MHz)	dB	-	0.6	1.0
Group Delay Variation (fo ± 2.3 MHz)	nsec	-	70	120

S1365 Package Dimension



Matching Schematic



$$C1 = C2 = 56\text{pF}, L1 = L2 = 68\text{nH}$$

Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0μm, over a 1.27 ~ 8.89μm Ni Plating

Pin Configuration

Input	11	Others	Ground
Output	5		

3. Typical Performance (at +25°C)

