

1. Features

- Typical 1dB bandwidth of 11.35 MHz
- Low-Loss Filter
- Single Ended Operation
- Ceramic Surface Mount Device(SMD) Package
- RoHS/RoHS2 Compliant

RoHS Compliant

Tested by SGS Testing Korea

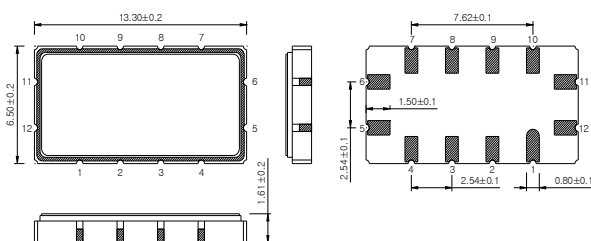
2. Electrical Specifications

Source and Load Impedance = 50Ω

Operating Temperature : -10°C ~ +60°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	113.0	-
Insertion Loss	dB	-	9.0	10.0
1dB Bandwidth	MHz	10.8	11.35	-
3dB Bandwidth	MHz	-	12.29	-
40dB Bandwidth	MHz	-	15.65	16.0
Amplitude Ripple (fo ± 5.0 MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 5.0 MHz)	nsec	-	60	100
Absolute Delay	usec	-	1.01	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Room Temperature : +25°C		Minimum	Typical	Maximum
Insertion Loss	dB	-	9.0	9.5
Amplitude Ripple (fo ± 5.35 MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 5.35 MHz)	nsec	-	60	100

S1365 Package Dimension



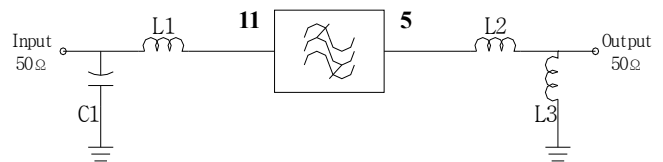
Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

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

Matching Schematic



C1 = 47pF, L1 = 68nH, L2 = 5.6nH, L3 = 27nH

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

3. Typical Performance (at +25°C)

