

- IF Bandpass Filter
- Low Loss Filter
- Single Ended Operation

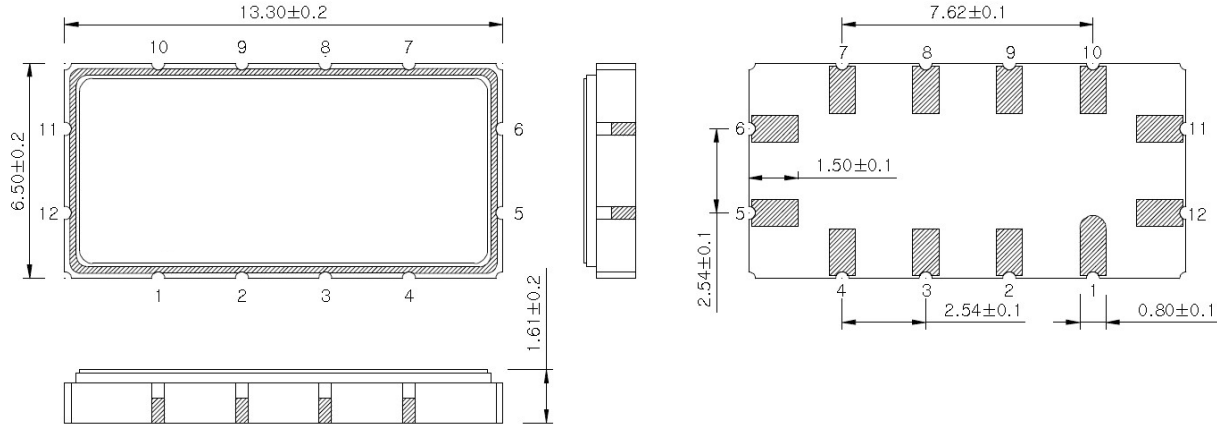
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-10	-	70
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	-
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	V			
Length x Width	mm <sup>2</sup>	-	13.3 x 6.5	-
Height	mm	-	1.61	1.81

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	60.00	-
Insertion Loss	dB	-	14.5	16.5
1dB Bandwidth	MHz	20.0	20.7	-
3dB Bandwidth	MHz	-	21.5	-
40dB Bandwidth	MHz	-	24.8	25.0
Amplitude Ripple within 55.8~64.2 MHz	dB	-	0.6	1.0
Group Delay Variation within 55.8~64.2 MHz	nsec	-	40.00	80.00
Absolute Delay	usec	-	1.29	-
Ultimate Rejection	dB	40.00	45.00	-
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-86.00	-

**Notes:** (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

## Package Dimensions

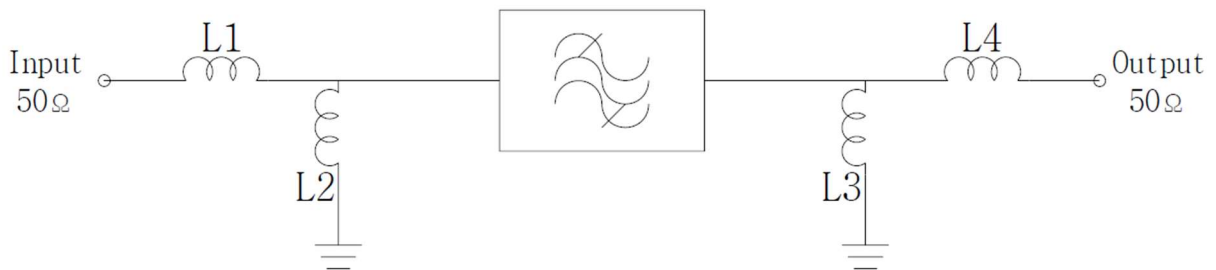


Unit: mm

- ① **TRANSKO:** Brand
- ② **TL09511A:** Model Name
- ③ **X :** Date Code (Year)
- ④ **Y :** Date Code (Month)
- ⑤ **Z :** Date Code (Date)
- : Index Dot

Pin Description	
1,2,3,4,6,7,8,9,10,12	Ground
11	Input
5	Output

## Testing Environment



L1 = 120 nH,    L2 = 220nH

L3 = 220nH,    L4 = 68nH

## Frequency Characteristics

