

- 110.00 MHz IF SAW Filter
- Revision 0: Oct. 2012

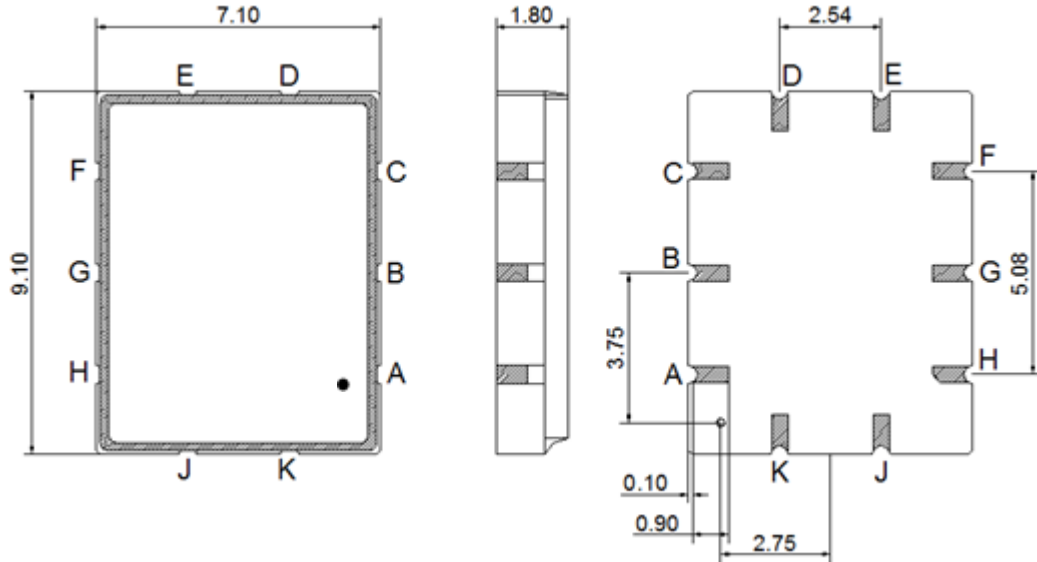
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-10	-	+50
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (Single-ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (Single-ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	E0			
Length x Width	mm <sup>2</sup>	-	9.1 x 7.1	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fc)	MHz	-	110.00	-
Minimum Insertion Loss (I.L)	dB	-	7.7	12.0
Group Delay Ripple (Fc ± 100KHz)	nsec	-	70	400
Bandwidth at -1.0 dB	KHz	-	297	-
Bandwidth at -3.0 dB	KHz	200	450	-
Relative Rejection (Reference to Minimum Insertion loss)				
Fc ± 1.0 MHz	dB	15	33	-
Fc ± 4.0 MHz	dB	35	53	-
Temperature Coefficient	ppm/°C	-	-0.036	-

**Notes :** (1) With Matching Network (Ref. Testing Environment Circuit as shown below).  
Those impedances could be modified with different impedance values and/or structures, if necessary.

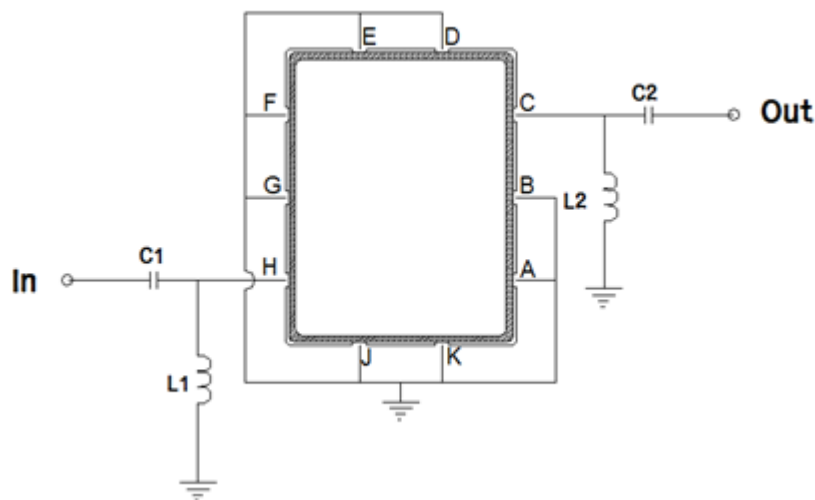
## Package Dimensions



- ① **TRANSKO:** Brand
- ② **TF-011001:** Model Name
- ③ **X :** Date Code (Year)
- ④ **Y :** Date Code (Month)
- ⑤ **Z :** Date Code (Date)
- : Index Dot

Pin Description	
A, B, D, E, F, G, J, K	Ground
H	Input
C	Output

## Testing Environment



Test Fixture & Values	
Input	L1= 82nH, C1= 8pF
Output	L2= 100nH, C2= 8pF
Source/Load Impedance	50 Ω

## Frequency Characteristics

### Frequency Response

