SPECIFICATION OF CRYSTAL FILTER

1. SCOPE

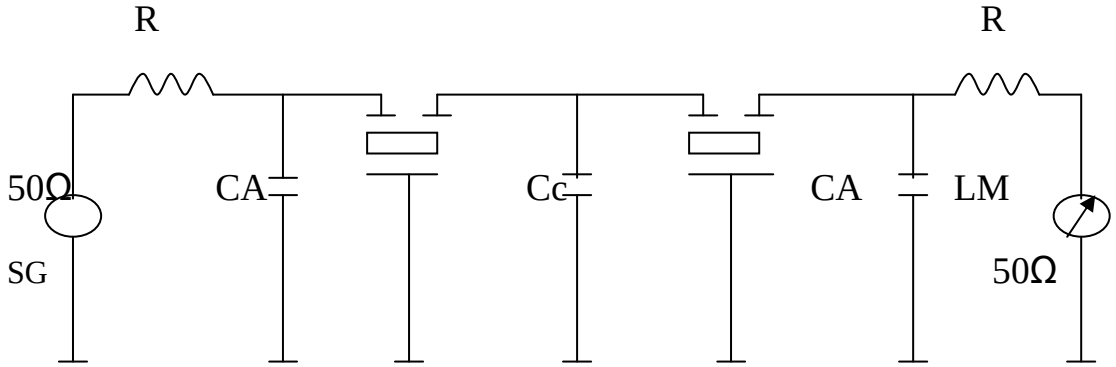
This specification shall cover the characteristics of crystal filter with P/N: 49T-10.695M7B

2. ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
Holder type	49T
Central Frequency	10.695MHz
Number of pole	4 poles
Pass Bandwidth	3dB/ ±3.75KHz min.
Stop Bandwidth	40dB/ ±14.0KHz max.
Spurious response	40dB min./ Fo+30 to +350KHz
Guaranteed attenuation	45dB min./Fo+350 to +1000KHz 55dB min./Fo-300 to -1000KHz
Ripple	0.5dB max.
Insertion Loss	2.0dB max.
Terminating Impedance	1800Ω //4.0Pf (±10%)//12
Operating temperature	-20~+70 ℃
Aging in one year	3ppm/year

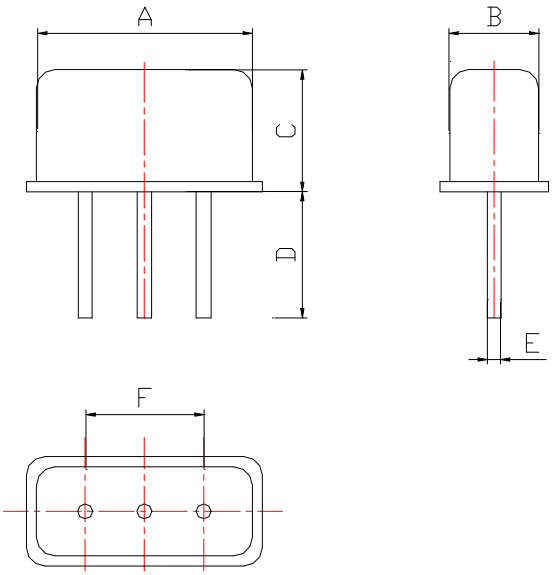
3. TEST CIRCUIT.

Measurement shall be carried out at the reference temperature of 25±2℃ and 90± 10% RH. It shall be possibly done at 5~30℃ and 45~85% RH unless the result is doubtful.



R：2950Ω (±10%). CA: 1.0pF(±10%).Cc:5.0pF(±10%)

4. DIMENSION



	A	B	C	D	E	F
49T	10.7±0.3	4.4±0.3	11.1±0.3	20.0±1.0	Φ 0.43±0.05	4.88±0.2

5. MECHANICAL CHARACTERISTICS

1). Mechanical Shock

Drop the resonator randomly onto a concrete floor from the height of 30cm for 3 times. It shall fulfill the specification requirements.

2). Vibration

Subject the resonator to the vibration for 1 hour each in the X.Y. and Z-axes with the amplitude of 1.5 mm, 10 to 55 Hz. It shall fulfill the specification requirements.

3). Resistance To Solder Heat

Dip the resonator terminals no closer than 1.5mm into solder bath at 350 ±10℃ for 3±0.5s Or dip the resonator terminals no closer than 1.5mm into solder bath at 200

+5℃ for 10+1s,then leave the resonator into room condition for 1 hour. It shall meet the specification requirements.

4). Solderability

Dip the resonator terminals into the solder bath at 230 +5℃ for 3+0.5s.More than 95% of the terminal surface of the resonator shall be covered with fresh solder.

5).Pulling Test

Weight along with the direction of lead without any shock 1kg for 10sec.The resonator shall show no evidence of damage and shall satisfy all the initial electric characteristics.

6). Bending Test

Lead shall be subject to withstand against 90° bending at its stem. This operation shall be done toward both directions, and each operation shall take 3sec.The resonator shall show no evidence of damage and shall satisfy all the initial electric characteristics.