NCV1-200V/SP1 Voltage Transducer

Applications:

For the electronic measurement of voltages: AC, DC IMPL.,etc.,with galvanic isolation between the primary (high voltage) and the secondary (electronic) circuits.

Main technical data:

1. Primary normal voltage V_{PN}: 140V r.m.s
2. Primary voltage, measuring range V_P: 0~+/-200V
3. Conversion ratio: 200V/10V
4. Secondary nominal output: 7V
5. Load resistance: more than 3000 ohm
6. Supply voltage(+/-5%): +/-15V
7. Current consumption: 30mA(@±15V)+ Secondary output voltage/ load resistance
8. Isolation test: Between the primary circuit and the secondary circuit(+.-.M.0V): 6kVrms/50Hz/1min

Accuracy – Dynamic performance data:

1. Accuracy @ V_{PN}, T_A=+25℃: ±1%

   T_A=-25℃~+70℃ : ±3%
2. Non-linearity @ V_{PN}, T_A=+25 ^oC: better than +/-0.1%
3. Offset voltage @ V_P=0, T_A=+25 ^oC: not more than +/-35mV

   @ V_P=0, T_A=-25 ^oC~+70 ^oC: not more than +/-100mV
4. Response time @90% of V_{Pmax}: not more than 4us
5. Frequency bandwidth (-3dB): DC 15kHz

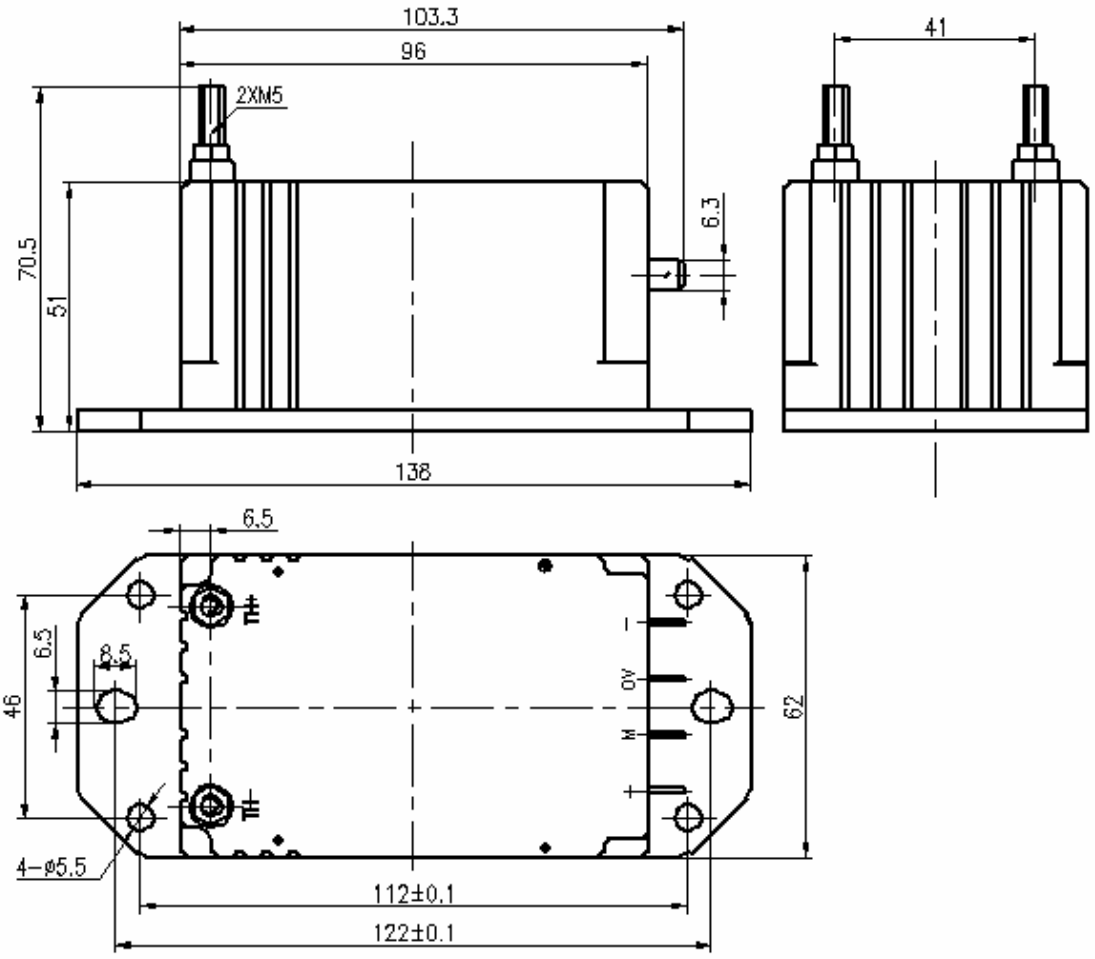
General data:

1. Operating temperature: -25ºC~+70ºC
2. Storage temperature: -40 °C ~+85 °C
3. Total primary power loss: 2W
4. Primary resistance @ T_A=+25 °C: 9800 ohm
5. Weight: 300g
6. Standards: EN 50155

Features:

1. Close loop (compensated) voltage transcucer
2. Galvanic isolation between primary and secondary circuit
3. Insulated plastic case made of black PC recognized according to UL 94-V0

Dimension:



Connection: