宁波南车时代传感技术有限公司
NINGBO CSR TIMES TRANSDUCER TECHNIQUE CO.,LTD

NV100-2000V 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}: 2000V r.m.s

2. Primary voltage, measuring range V_P: 0~+/-3000V

3. Secondary nominal output: 40mA r.m.s

4.Conversion ratio: 2000V/40mA

5. Supply voltage(+/-5%): +/-15V

6. Current consumption: ≤20mA + Secondary output current

7. Isolation test: Between the primary circuit and the secondary circuit: 6kVrms/50Hz/1min

Accuracy – Dynamic performance data:

1. Accuracy @ V_{PN}, T_A=+25 ^{o}C: ≤+/-1%

2. Non-linearity @ V_{PN}, T_A=+25 ^{o}C: ≤0.2%

3. Offset current ≤±0.3mA(@+25℃)

4. Thermal drift: ≤±0.6mA（-25℃~+70℃）

5. Response time @90% of V_{Pmax}: not more than 120us
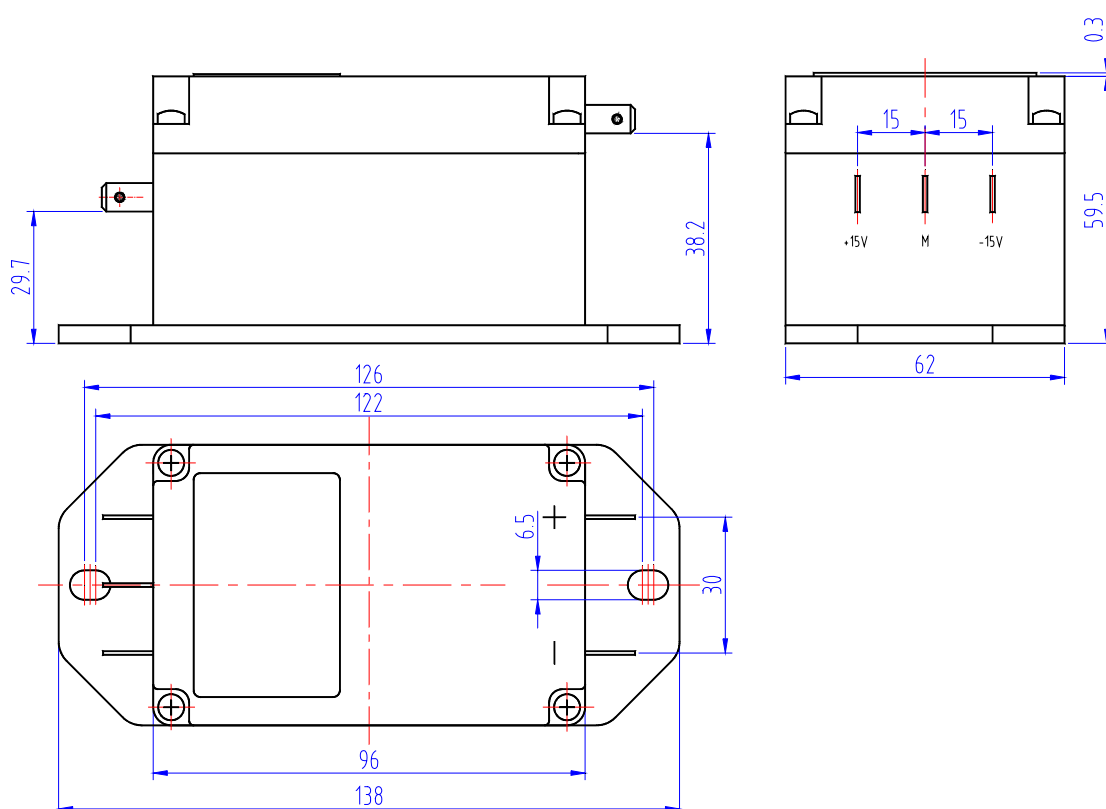
6. dV/dt：≥100V/us

General data:

1. Operating temperature: -25ºC~+70ºC

2. Storage temperature: -40°C ~+85°C

3. Primary resistance @ T_A=+25 ^{o}C: 1000 kilohm

4. Secondary coil resistance: 35 ohm

7. Weight: 600g ×(1±20%)

8. Standards: EN 50155

Features:

1. Hall effect measuring principle

2. Galvanic isolation between primary and secondary circuit

3. Insulated plastic case recognized according to UL 94-V0

Dimension:

Connection: