NV25-200V 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 nominal voltage V_N: 200V r.m.s
2. Measuring resistance:

		$R_M$min	$R_M$max
with ±12V	@ ± V_N max:	30 ohm	200 ohm
	@ ± 1.5 x V_N:	30 ohm	100 ohm
with ±15V	@± V_N max:	100 ohm	320 ohm
	@ ± 1.5 x V_N:	100 ohm	180 ohm

3. Primary voltage, measuring range: 0~±300V
4. Secondary nominal output: 25mA rms
5. Conversion ratio: 200V/25mA
6. Supply voltage(±5%): ±12V~±15V
7. Current consumption：10mA + Secondary output current
8. Isolation test: Between the primary circuit and the secondary circuit: 4.1kV/50Hz/1min

Accuracy – Dynamic performance data:

1. Accuracy @ V_{PN}, T_A=+25°C: ≤±0.8%
2. Linearity @ V_{PN}: ≤ 0.2%
3. Offset current @ I_P=0: ≤±0.15mA(@+25℃)
4. Thermal drift: ±0.95mA(-25℃~+70 ℃)
5. Response time: not more than 15us

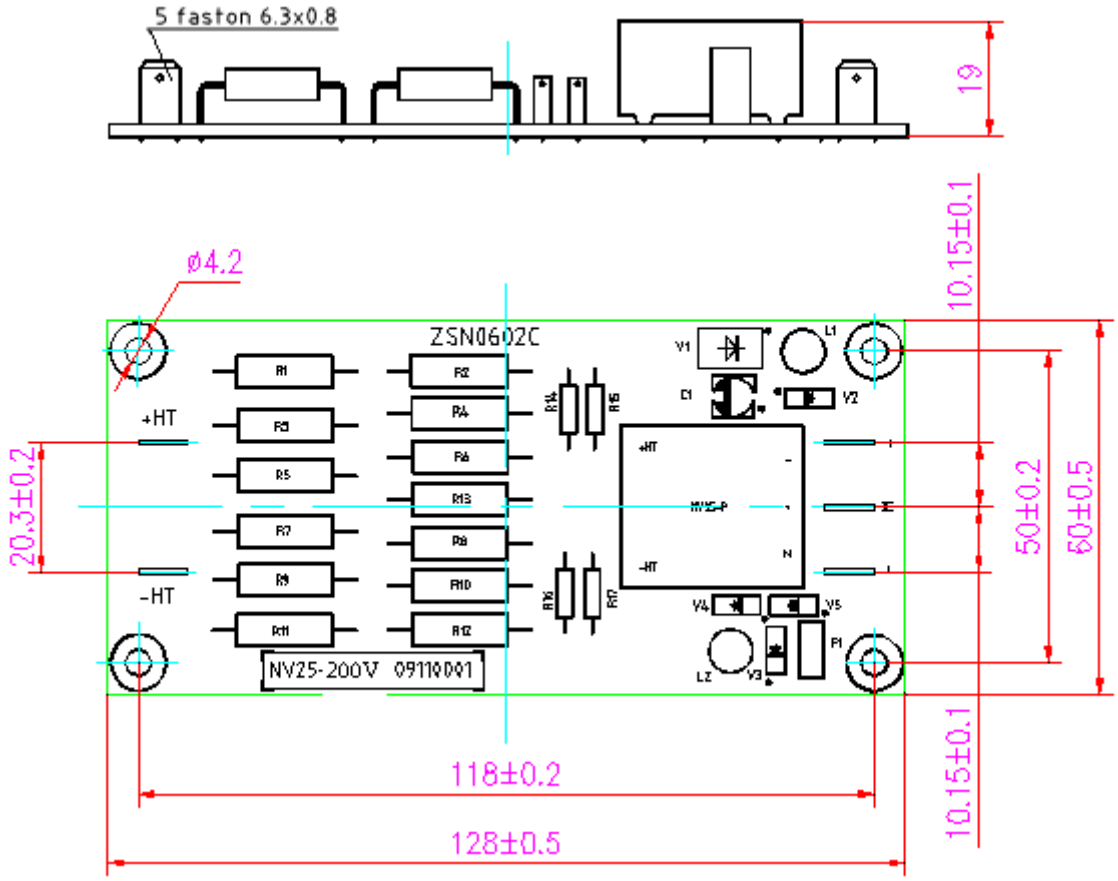
General data:

1. Operating temperature: -25ºC~+70ºC
2. Storage temperature: -40°C ~+85°C
3. Primary resistance : 20 kilohm
4. Secondary coil resistance: not more than 110 ohm
5. Weight: not more than 85g
6. Standards: TB/T3021-2001,TB/T3034-2002,TB/T3058-2002

Features:

1. Hall effect measuring principle
2. Galvanic isolation between primary and secondary circuit

Dimension:



Connection: