



SHAANXI SHINHOM ENTERPRISE CO.,LTD

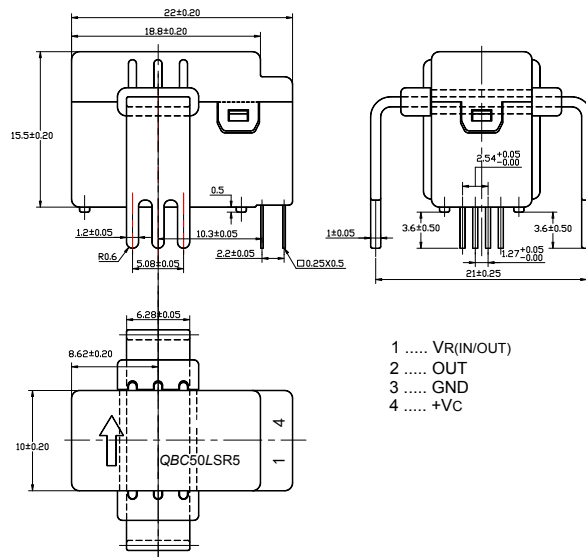
HBC-LSR5 Series Hall Effect Current Sensor

HBC-LSR5 Series current sensor with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC or pulsed currents.

ELECTRICAL DATA(25°C)

| | HBC06 LSR5 | HBC10 LSR5 | HBC15 LSR5 | HBC20 LSR5 | HBC25 LSR5 | HBC30 LSR5 | HBC40 LSR5 | HBC50 LSR5 | |
|----------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------|
| Rated input current(IP) | 6 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | A |
| Test current range | ±15 | ±25 | ±37.5 | ±50 | ±62.5 | ±75 | ±100 | ±105 | A |
| Turns ratio(Np/Ns) | 1:1200 | 1:1000 | 1:1125 | 1:1000 | 1:1250 | 1:1125 | 1:1000 | 1:1000 | T |
| Rated output voltage | ±0.8±0.5% | | | | | | | | V |
| Supply voltage | +5±5% | | | | | | | | V |
| Offset voltage | 2.5±0.5% | | | | | | | | V |
| Reference voltage (VR) | 2.5±0.8% | | | | | | | | V |
| External reference voltage | 2.0-2.8 | | | | | | | | V |
| Offset voltage Drift | ≤±0.1 | | | | | | | | mV/°C |
| Output voltage Drift | ≤±0.05 | | | | | | | | mV/°C |
| Linearity(Ip=0-±Ipn) | ≤±0.2 | | | | | | | | %FS |
| Class | ≤±1.0 | | | | | | | | % |
| di/dt | >50 | | | | | | | | A/μS |
| Response time | ≤1 | | | | | | | | μS |
| Bandwidth(-1db) | DC~100 | | | | | | | | KHZ |
| Insulation voltage | 2.5@(50HZ,1min) | | | | | | | | KV |
| Operating Temperature | -40~+85 | | | | | | | | °C |
| Storage Temperature | -40~+105 | | | | | | | | °C |

MUTING DIMENSIONS(FOR REFERENCE ONLY)



INSTRUCTIONS FOR USE

1. When the current will be measured goes through a sensor, the voltage will be measured at the output end. (Note: The false wiring may result in the damage of the sensor).
2. The output amplitude of the sensor can be adjusted according to users requirements.
3. Custom design in the nominal input current and the output voltage available



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