

CSNE151-100

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CSN Series closed loop current sensor, measures ac, dc or impulse current, 25 amp-turns nominal, ± 90 amp-turns range, 1000 turn

Actual product appearance may vary.

Product Specifications

| | |
|-----------------------|--|
| Product Type | Closed Loop Linear |
| Sensed Current Type | ac or dc |
| Sensed Current Range | ± 90 A |
| Package Type | Series Connect PCB Mount |
| Output Type | Current |
| Continuous Current | ± 50 A |
| Operate Current | 25 A RMS @ 25 °C |
| Supply Current | ± 12 mA + Output |
| Supply Voltage | ± 12.0 Vdc to ± 15.0 Vdc |
| Offset Current | $< \pm 0.15$ mA |
| Offset Current Drift | $< \pm 0.6$ mA |
| Coil Resistance | 66 Ohm |
| Response Time | < 0.2 μ s |
| Coil Turns | 1000 |
| Output Nominal | 25 mA |
| Operating Temperature | -40 °C to 85 °C [-40 °F to 185 °F] |
| Storage Temperature | -40 °C to 90 °C [-40 °F to 194 °F] |
| Measuring Resistance | 54 Ohm min., 360 Ohm max. |
| Housing Material | Glass-filled PBT (UL94-V0) |
| Mounting | PCB on 11 Pins |
| Pinout Style | 4 Pin |
| Accuracy | ± 0.5 % |
| Availability | Global |
| Comment | Miniature 25 A sensor with four integral primary turns. (Accuracy guaranteed to 90 A.) |
| UNSPSC Code | 41111928 |
| UNSPSC Commodity | 41111928 Current Sensors |
| Series Name | CSN |

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