

CSNF651

([Home](#) : [Products](#) : [Sensors](#) : [Current Sensors](#) : [Closed Loop](#) : [CSN](#))



CSN Series closed loop current sensor, measures ac, dc or impulse current, 100 A nominal, ± 150 amp range, offset pin, 2000 turn

Actual product appearance may vary.

Product Specifications

Product Type	Closed Loop Linear
Sensed Current Type	ac or dc
Sensed Current Range	± 150 A
Package Type	Thru Hole PCB Mount
Output Type	Current
Continuous Current	± 150 A
Operate Current	100 A RMS @ 25 °C
Supply Current	± 10 mA + Output
Supply Voltage	± 12.0 Vdc to ± 15.0 Vdc
Offset Current	$< \pm 0.1$ mA
Offset Current Drift	$< \pm 0.25$ mA
Coil Resistance	100 Ohm
Response Time	< 0.5 μ s
Coil Turns	2000
Output Nominal	50 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	10 Ohm min., 125 Ohm max.
Housing Material	Glass-filled PBT (UL94-V0)
Mounting	PCB on 3 Pins
Pinout Style	Offset
Accuracy	± 0.5 %
Availability	Global
Comment	Offset pin and cost-reduced version of CSNF151.
UNSPSC Code	41111928
UNSPSC Commodity	41111928 Current Sensors
Series Name	CSN