

DATA SHEET Hall Effect Current Sensor

PN: CHK QD85S2L

 $I_{PN} = 500 - 1200A$

Feature

- Open-loop
- Supply voltage: DC +5.0V • Capable measurement of currents: DC, AC, pulse with galvanic isolation between primary circuit and secondary circuit. Automotive grade hall chip.

Advantages

- High accuracy, very good linearity
- Small volume, space saving
- Low temperature drift
- Optimized response time, no insertion losses
- High immunity to external interference

Applications

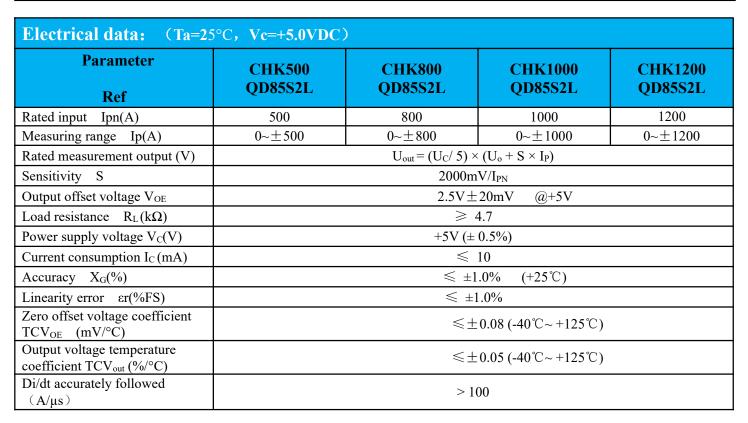
- Electric power steering system
- Starting power generation
- Converter
- Battery management
- Motor driven applications













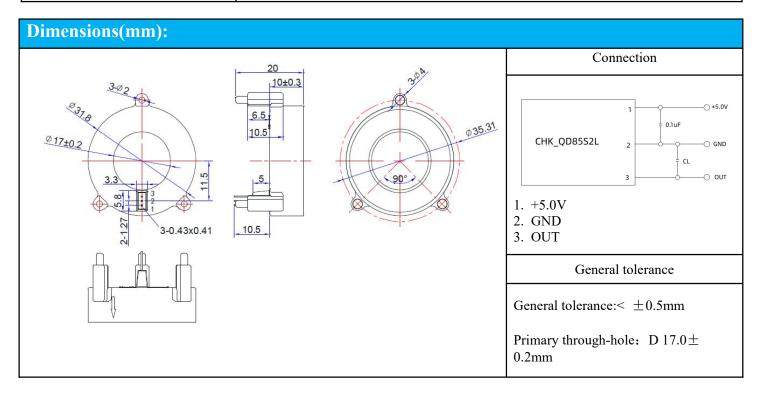
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Response time $t_{ra}(\mu s)$		≤6	
Bandwidth (-3db) BW (KHZ)		DC-50	
Effective value of AC isolation	@50Hz/60s/0.2mA	3.0	
withstand voltage Vd(KV)			

General data:		
Parameter	Value	
Operating temperature $T_A(^{\circ}C)$	-40 ∼ +125	
Storage temperature $T_S(^{\circ}C)$	-55~ +125	
Mass M(g)	18	
Standards	ISO16750	
	IEC60068	
	GB/T28046	



Remarks:

- When the current to be measured flows through the input pin of the sensor, it can be measured at the output end measure the magnitude of the current.
- > Dynamic performance (di/dt and noise) when the busbar is fully filled with primary perforation
- Different rated input current and output voltage can be customized according to user requirements The sensor.

WARNING: Incorrect wiring may cause damage to the sensor.

