Cheemi Technology Co., Ltd



DATA SHEET Hall Effect Current Sensor

PN: CHK OR375S2L

Feature

• Automotive grade hall chip.

This sensor is an open-loop Hall current sensor with insulation between the primary and secondary • circuits, used as a three-phase sensor for DC, AC, or pulse current measurement in high-power and lowvoltage automotive applications.

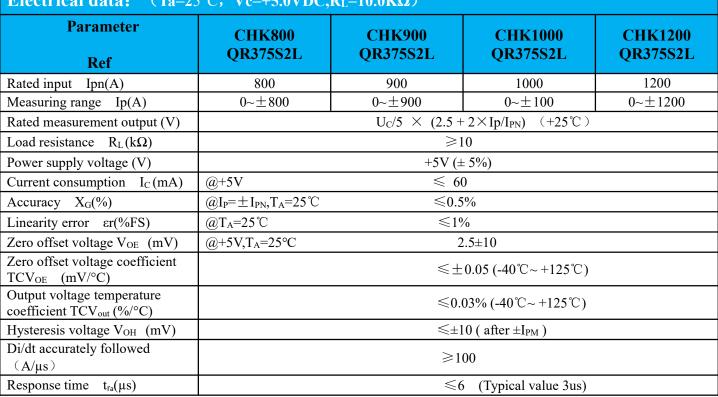
Advantages

- Convenient installation
- High cost performance •
- No insertion losses •
- High immunity to external interference •

Applications

- Generator •
- Inverter .
- **HEV** application
- Application of electric vehicles
- DC/DC converter

(ϵ) **RoHS Electrical data:** (Ta=25°C, Vc=+5.0VDC,R_L=10.0K Ω)





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IPN=800-1200A

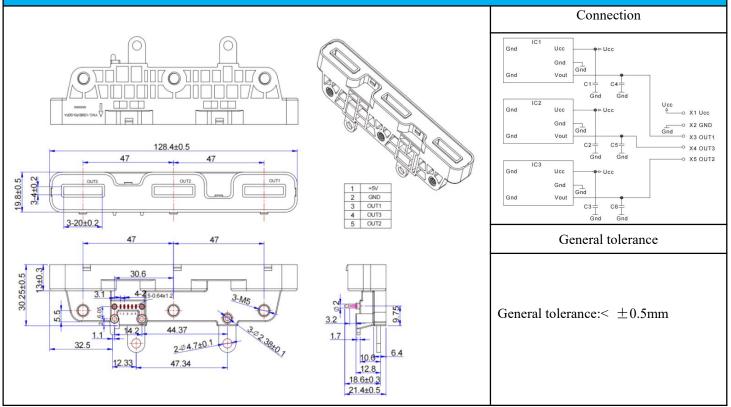
• Supply voltage: DC +5.0V

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Bandwidth (-3db) Bw(KHZ)		DC-40	
Daliuwiuul (-300) Dw(KI1Z)		DC=40	
Effective value of AC isolation	@50Hz/60s/0.1mA	2.5	
withstand voltage Vd(KV)			

General data:			
Parameter	Value		
Operating temperature TA(°C)	-40 ~ +125		
Storage temperature TS(°C)	-55~ +125		
Mass M(g)	90g		
Standards	High and low temperatures meet the testing requirements of EN50178 standard 9.4.2.1.		
	Damp heat meets the testing requirements of EN50178 standard 9.4.2.2.		
	Vibration meets the testing requirements of EN50178 standard 9.4.3.2.		
	Electromagnetic compatibility meets the testing requirements of EN50178 standard 9.4.6.1 and 9.4.6.2.		

Dimensions(mm):



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.



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