



# CS Series Linear Current Sensor Holder Assemblies

PK 87914

## OPERATING CHARACTERISTICS

### BOTTOM MOUNT WITH 9SS (LOHET I) SENSOR

Catalog Listing	Core Gap (in.)	Mtg. Dim. Fig.	Supply Voltage (DC)	Supply Current (mA max.)	Sensed Current* (Amps-Peak)	Offset Voltage (V ± 10%)	Temp. Range °C	Offset Shift (%/°C)	Response Time (µS)
CSLA1CD	0.075	1	8 to 16	19	57	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1CE	0.094	1	8 to 16	19	75	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1DE	0.094	2	8 to 16	19	75	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1CF	0.125	1	8 to 16	19	100	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1DG	0.149	2	8 to 16	19	120	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1CH	0.188	1	8 to 16	19	150	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1DJ	0.276	2	8 to 16	19	225	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1EJ	0.276	3	8 to 16	19	225	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1DK	0.375	2	8 to 16	19	325	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1EK	0.375	3	8 to 16	19	325	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1EL	0.590	3	8 to 16	19	625	V <sub>cc</sub> /2	-25 to +85	±0.05	3

### BOTTOM MOUNT WITH SS9 (LOHET II) SENSOR

Catalog Listing	Core Gap (in.)	Mtg. Dim. Fig.	Supply Voltage (DC)	Supply Current (mA max.)	Sensed Current* (Amps-Peak)	Offset Voltage (V ± 2%)	Temp. Range °C	Offset Shift (%/°C)	Response Time (µS)
CSLA2CD	0.075	1	6 to 12	20	72	V <sub>cc</sub> /2	-25 to +85	±0.02	3
CSLA2CE	0.094	1	6 to 12	20	92	V <sub>cc</sub> /2	-25 to +85	±0.02	3
CSLA2DE	0.094	2	6 to 12	20	92	V <sub>cc</sub> /2	-25 to +85	±0.02	3
CSLA2CF	0.125	1	6 to 12	20	125	V <sub>cc</sub> /2	-25 to +85	±0.02	3
CSLA2DG	0.149	2	6 to 12	20	150	V <sub>cc</sub> /2	-25 to +85	±0.02	3
CSLA2DH	0.125	2	6 to 12	20	235	V <sub>cc</sub> /2	-25 to +85	±0.0125	3
CSLA2DJ	0.266	2	6 to 12	20	225	V <sub>cc</sub> /2	-25 to +85	±0.02	3
CSLA2EJ	0.160	3	6 to 12	20	310	V <sub>cc</sub> /2	-25 to +85	±0.0125	3
CSLA2DK	0.210	2	6 to 12	20	400	V <sub>cc</sub> /2	-25 to +85	±0.0125	3
CSLA2EL	0.276	3	6 to 12	20	550	V <sub>cc</sub> /2	-25 to +85	±0.0125	3
CSLA2EM	0.160	3	6 to 12	20	765	V <sub>cc</sub> /2	-25 to +85	±0.008	3
CSLA2EN	0.210	3	6 to 12	20	950	V <sub>cc</sub> /2	-25 to +85	±0.008	3

### SIDE MOUNT WITH 9SS (LOHET I) SENSOR

Catalog Listing	Core Gap (in.)	Mtg. Dim. Fig.	Supply Voltage (DC)	Supply Current (mA max.)	Sensed Current* (Amps-Peak)	Offset Voltage (V ± 10%)	Temp. Range °C	Offset Shift (%/°C)	Response Time (µS)
CSLA1GD	0.075	4	8 to 16	19	57	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1GE	0.094	4	8 to 16	19	75	V <sub>cc</sub> /2	-25 to +85	±0.05	3
CSLA1GF	0.125	4	8 to 16	19	100	V <sub>cc</sub> /2	-25 to +85	±0.05	3

### SIDE MOUNT WITH SS9 (LOHET II) SENSOR

Catalog Listing	Core Gap (in.)	Mtg. Dim. Fig.	Supply Voltage (DC)	Supply Current (mA max.)	Sensed Current* (Amps-Peak)	Offset Voltage (V ± 2%)	Temp. Range °C	Offset Shift (%/°C)	Response Time (µS)
CSLA2GD	0.075	4	6 to 12	20	72	V <sub>cc</sub> /2	-25 to +85	±0.02	8
CSLA2GE	0.094	4	6 to 12	20	92	V <sub>cc</sub> /2	-25 to +85	±0.02	8
CSLA2GF	0.125	4	6 to 12	20	125	V <sub>cc</sub> /2	-25 to +85	±0.02	8
CSLA2GG	0.149	4	6 to 12	20	150	V <sub>cc</sub> /2	-25 to +85	±0.02	8

**NOTE:** When monitoring purely AC current with zero DC component, a capacitor can be inserted in series with the output of the current sensor. The capacitor will block out the effect of the temperature variation of the offset voltage which increases the accuracy of the device.

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