

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 \pm 10%)	Temp. Range °C	Offset Shift (%/°C)	Response Time (μ S)
CSLA1CD	0.075	1	8 to 16	19	57	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1CE	0.094	1	8 to 16	19	75	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1DE	0.094	2	8 to 16	19	75	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1CF	0.125	1	8 to 16	19	100	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1DG	0.149	2	8 to 16	19	120	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1CH	0.188	1	8 to 16	19	150	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1DJ	0.276	2	8 to 16	19	225	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1EJ	0.276	3	8 to 16	19	225	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1DK	0.375	2	8 to 16	19	325	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1EK	0.375	3	8 to 16	19	325	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1EL	0.590	3	8 to 16	19	625	Vcc/2	-25 to +85	\pm 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 \pm 2%)	Temp. Range °C	Offset Shift (%/°C)	Response Time (μ S)
CSLA2CD	0.075	1	6 to 12	20	72	Vcc/2	-25 to +85	\pm 0.02	3
CSLA2CE	0.094	1	6 to 12	20	92	Vcc/2	-25 to +85	\pm 0.02	3
CSLA2DE	0.094	2	6 to 12	20	92	Vcc/2	-25 to +85	\pm 0.02	3
CSLA2CF	0.125	1	6 to 12	20	125	Vcc/2	-25 to +85	\pm 0.02	3
CSLA2DG	0.149	2	6 to 12	20	150	Vcc/2	-25 to +85	\pm 0.02	3
CSLA2DH	0.125	2	6 to 12	20	235	Vcc/2	-25 to +85	\pm 0.0125	3
CSLA2DJ	0.266	2	6 to 12	20	225	Vcc/2	-25 to +85	\pm 0.02	3
CSLA2EJ	0.160	3	6 to 12	20	310	Vcc/2	-25 to +85	\pm 0.0125	3
CSLA2DK	0.210	2	6 to 12	20	400	Vcc/2	-25 to +85	\pm 0.0125	3
CSLA2EL	0.276	3	6 to 12	20	550	Vcc/2	-25 to +85	\pm 0.0125	3
CSLA2EM	0.160	3	6 to 12	20	765	Vcc/2	-25 to +85	\pm 0.008	3
CSLA2EN	0.210	3	6 to 12	20	950	Vcc/2	-25 to +85	\pm 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 \pm 10%)	Temp. Range °C	Offset Shift (%/°C)	Response Time (μ S)
CSLA1GD	0.075	4	8 to 16	19	57	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1GE	0.094	4	8 to 16	19	75	Vcc/2	-25 to +85	\pm 0.05	3
CSLA1GF	0.125	4	8 to 16	19	100	Vcc/2	-25 to +85	\pm 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 \pm 2%)	Temp. Range °C	Offset Shift (%/°C)	Response Time (μ S)
CSLA2GD	0.075	4	6 to 12	20	72	Vcc/2	-25 to +85	\pm 0.02	8
CSLA2GE	0.094	4	6 to 12	20	92	Vcc/2	-25 to +85	\pm 0.02	8
CSLA2GF	0.125	4	6 to 12	20	125	Vcc/2	-25 to +85	\pm 0.02	8
CSLA2GG	0.149	4	6 to 12	20	150	Vcc/2	-25 to +85	\pm 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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