Product Specification SPECIFICATION FOR 5VDC OUTPUT AC CURRENT SENSOR

Model number

DO20-300A-5VDC-60HZ

Absolute stress above which the unit may be damaged.	Min.		Max.	unit
Ambient temperature Measured current (monotonic but not linear above rating)	-40		80 600	°C A-rms max
Shock (any axis)			2500	g
Range over which operation is guaranteed.	Min.		Max.	unit
Ambient temperature	-5		70	°C
Frequency	59		61	Hz
Total harmonic distortion of sensed current (Note 2)			3.0 200	percent
Vibration (1Hz-10kHz)			200	g
Operating parameters.	Min.	Тур.	Max.	unit
Input current	0.0	300.0	600.0	A-rms
Output voltage	0	5.0	9.5	V dc
Output impedance (Note 1)	_	1.0		k
Load impedance, undamaged 0 to load (Note 1)	0	4.07	Infinity	
Sensor internal resistance Thermal coefficient, potting B		1.07 0.035		k %/℃
Rise time constant		75		msec
Fall time constant		80		msec
i all time constant		00		HISEC
Physical	Min.	Тур.	Max.	unit
Current wire hole size		0.8	0.8	inch
Depth		0.8		inch
Height		2.2		inch
Width		2.0		inch
Weight		121		grams
Polarized output wire leads Flammability, 94 V-O, self extinguishing		12		inch
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Note 1 Sensors are calibrated with 500 k ± 2% //300 pf. instrumentation capacity.

- **Note 2** Sensor response nearly identical for all waveforms; sine, square, or triangle (except triacs).
- Note 3 The sensor output impedance is approx. 1k // 10uf.
- **Note 4** Maximum output current obtained by dividing output volts by sensor internal resistance.
- Note 5 Sensors are powered by current being measured.

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Inductive AC voltage and current sensors