Product Specification SPECIFICATION FOR 5VDC OUTPUT AC CURRENT SENSOR

Model number

EP20-400A-5VDC-60Hz.

Absolute stress above which the unit may be damaged.	Min.		Max.	unit
Ambient temperature Measured current (monotonic but not linear above rating) Shock (any axis)	-60		80 900 2500	°C A-rms max g
Range over which operation is guaranteed.	Min.		Max.	unit
Ambient temperature Frequency Total harmonic distortion of sensed current (Note 2) Vibration (1Hz-10kHz)	-5 59		70 61 3.0 200	°C Hz percent g
Operating parameters.	Min.	Тур.	Max.	unit
Input current Output voltage Output impedance (Note 1) Load impedance, undamaged 0 to load (Note 1) Sensor internal resistance Thermal coefficient, potting B Rise time constant Fall time constant	0.0	400.0 5.0 0.790 0.784 0.043 70 75	900.0 9.7 Infinity	A-rms V dc k k %/°C msec msec
Physical	Min.	Тур.	Max.	unit
Current wire hole size Depth Height Width Weight Polarized output wire leads Flammability, 94 V-O, self extinguishing		0.99 1.0 2.5 2.3 180 12	0.99	inch inch inch inch grams inch

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. 790 // 20uf.
- **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