

Product Specification					
SPECIFICATION FOR 5VDC OUTPUT AC CURRENT SENSOR					
<b>Model number</b>					
	CQ32-10A-5VDC-60HZ				
<b>Absolute stress above which the unit may be damaged.</b>					
	<b>Min.</b>		<b>Max.</b>		<b>unit</b>
	Ambient temperature	-40		80	°C
	Measured current (monotonic but not linear above rating)			30	A-rms max.
	Shock (any axis)			2500	g
<b>Range over which operation is guaranteed.</b>					
	<b>Min.</b>		<b>Max.</b>		<b>unit</b>
	Ambient temperature	-5		70	°C
	Frequency	59	60	61	Hz
	Total harmonic distortion of sensed current (Note 2)			3.0	percent
	Vibration (1Hz-10kHz)			200	g
<b>Operating parameters.</b>					
	<b>Min.</b>	<b>Typ.</b>	<b>Max.</b>		<b>unit</b>
	Input current	0.0	10.0	12.0	A-rms
	Output voltage	0	5.0	6.0	V dc
	Output impedance (Note 1)		51.0		k
	Load impedance, undamaged 0 to load (Note 1)	0		Infinity	
	Sensor internal resistance		43.0		k
	Thermal coefficient, potting B		-0.040		% / °C
	Rise time constant		200		msec
	Fall time constant		250		msec
<b>Physical</b>					
	<b>Min.</b>	<b>Typ.</b>	<b>Max.</b>		<b>unit</b>
	Current wire hole size		0.5	0.5	inch
	Depth		0.5		inch
	Height		1.4		inch
	Width		1.5		inch
	Weight		35		grams
	Polarized output wire leads		12		inch
	Flammability, 94 V-O, self extinguishing				
<b>Note 1</b>	Sensors are calibrated with 500 k $\pm$ 2% //300 pf. instrumentation capacity.				
<b>Note 2</b>	Sensor response nearly identical for all waveforms; sine, square, or triangle (except triacs).				
<b>Note 3</b>	The sensor output impedance is approx. 51k // 4.7 $\mu$ f.				
<b>Note 4</b>	Maximum output current obtained by dividing output volts by sensor internal resistance.				
<b>Note 5</b>	Sensors are powered by current being measured.				

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Inductive AC voltage and current sensors