

Product Change Notice

Issue Date: 09 Jan 2009

Change Type:

Technically minor: Test related changes

Parts Affected:

HCPL-788J.

All associated options and special part numbers will also be affected. See Appendix for full part number list.

Description and Extent of Change:

Addition of gain accuracy performance of $\pm 3\%$ min/max at room temperature enabled by better testing.

Before change:

	Min	Typ	Max	Unit	Test conditions
V _{OUT} Gain	V _{REF} /504mV - 5%	V _{REF} /504mV	V _{REF} /504mV + 5%	V/V	V _{IN+} < 200mV, T _A = -40°C to +85 °C

After change:

	Min	Typ	Max	Unit	Test conditions
V _{OUT} Gain	V _{REF} /504mV - 3%	V _{REF} /504mV	V _{REF} /504mV + 3%	V/V	V _{IN+} < 200mV, T _A = 25°C
	V _{REF} /504mV - 5%	V _{REF} /504mV	V _{REF} /504mV + 5%	V/V	V _{IN+} < 200mV, T _A = -40°C to +85 °C

Reasons for Change:

Better testing control enables manufacturing to guarantee tightened gain accuracy at 25°C.

Effect of Change on Fit, Form, Function, Quality, or Reliability:

The device specifications remain the same, except the additional information. There is no change to the product physical fit/form, insulation/isolation specifications. There is no impact on quality or reliability.

Effective Date of Change:

Product shipments using this change will begin with datecode starting from 0910, but initiation of the change may be spread over approximately 6 months. Timing of shipment of the changed part will vary by part number depending on qualification completion, customer demand, and inventory levels.

Qualification Data:

Not required.

Appendix:

List of part numbers affected:

ITEM	DESCRIPTION
HCPL-788J-500NE	Smart Current Sensor, T/R+LF
HCPL-788J-000N	Smart Current Sensor
HCPL-788J-500N	Smart Current Sensor, T/R
HCPL-788J-000NE	Smart Current Sensor, LF
HCPL-788J-50SE	Smart Current Sensor, T/R+LF+5 reel
HCPL-788J-500E	Smart Current Sensor, T/R+LF

HCPL-788J	Smart Current Sensor
HCPL-788J#500	Smart Current Sensor,T/R
HCPL-788J-000E	Smart Current Sensor,LF
QCPL-789J-500NE	Plastic Optocoupler
QCPL-789J-000N	Plastic Optocoupler
QCPL-789J-500N	Plastic Optocoupler
QCPL-789J	Plastic Optocoupler
QCPL-789J#500	Plastic Optocoupler
QCPL-789J-500E	Plastic Optocoupler

These changes have been reviewed and approved by Avago Technologies engineers and managers per Avago Technologies procedure: Change Control and Customer Notification, A-5962-6052-80.

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.