



### Amendment to Test Report

**This Amendment is valid only together with the main Test Report**

**Report No** ..... : **277779**

**Main Report No** ..... : 246847

**Date of issue** ..... : January 26, 2015

**Total number of pages** ..... : 5

**Applicant's Name** ..... : Power Integrations, Inc.

**Address** ..... : 5245 Hellyer Avenue, San Jose, CA 95138, U.S.A.

#### Test specification

**Standard** ..... : IEC 60065:2001 (Seventh Edition) + A1:2005 + A2:2010 with  
CTL Decision, DSH 1080

**Test procedure** ..... : CB scheme

**Non-standard test method** ..... : N/A

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**This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.**

**Test item description** ..... : IC including capacitor discharge function (ICX)



**Trade Mark** ..... : CAPZero

**Manufacturer** ..... : Power Integrations, Inc.

**Model/Type reference** ..... : CAP002DG; CAP003DG; CAP004DG; CAP005DG; CAP006DG;  
CAP007DG; CAP008DG; CAP009DG; CAP012DG; CAP013DG;  
CAP014DG; CAP015DG; CAP016DG; CAP017DG; CAP018DG;  
CAP019DG; SC1143; CAP200DG

**Ratings**..... : 230V AC nominal (tested for 85-265V AC, 47-63Hz)

Nemko Rev. 2013-10

<b>Testing procedure and testing location:</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	Nemko A/S
<b>Testing location/ address .....</b> :		Gaustadalléen 30, NO - 0373 Oslo, Norway
<input type="checkbox"/>	<b>Associated CB Laboratory:</b>	
<b>Testing location/ address .....</b> :		
<b>Tested by (name + signature) .....</b> :		Ole Morten Aaslund 
<b>Approved by (name + signature) ..</b> :		Hans-Eirik Lie 
<input type="checkbox"/>	<b>Testing procedure: TMP</b>	
<b>Testing location/ address .....</b> :		
<b>Tested by (name + signature) .....</b> :		
<b>Approved by (name + signature) ..</b> :		
<input type="checkbox"/>	<b>Testing procedure: WMT</b>	
<b>Testing location/ address .....</b> :		
<b>Tested by (name + signature) .....</b> :		
<b>Witnessed by (name + signature) ..</b> :		
<b>Approved by (name + signature) ..</b> :		
<input type="checkbox"/>	<b>Testing procedure: SMT</b>	
<b>Testing location/ address .....</b> :		
<b>Tested by (name + signature) .....</b> :		
<b>Approved by (name + signature) ..</b> :		
<b>Supervised by (name + signature):</b>		
<input type="checkbox"/>	<b>Testing procedure: RMT</b>	
<b>Testing location/ address .....</b> :		
<b>Tested by (name + signature) .....</b> :		
<b>Approved by (name + signature) ..</b> :		
<b>Supervised by (name + signature):</b>		

**List of Attachments (including a total number of pages in each attachment):**  
N/A

**Summary of testing:**  
N/A

<b>Tests performed (name of test and test clause):</b>	<b>Testing location:</b>
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**Summary of compliance with National Differences**  
N/A

**Copy of marking plate**  
The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.  
  
Refer main report.

<b>Calibration</b>	All instruments used in the tests given in this test report are calibrated and traceable to national or international standards. Further information about traceability will be given on request.
<b>Measurement uncertainty</b>	Measurement uncertainties are calculated for all instruments and instrument set-ups given in this report. Calculations are based on the principles given in the standard EA-4/02 (Dec. 1999), IEC Guide 115:2007 and other relevant internal Nemko-procedures. Further information about measurement uncertainties will be given on request.
<b>Evaluation of results</b>	If not explicitly stated otherwise in the standard, the test is passed if the measured value is equal to or below (above) the limit line, regardless of the measurement uncertainty. If the measured value is above (below) the limit line, the test is not passed - ref IEC Guide 115:2007. The instrumentation accuracy is within limits agreed by IECEE-CTL.

**Possible test case verdicts:**

- test case does not apply to the test object ..... : Not Applicable (N/A)
- test object does meet the requirement..... : Pass (P)
- test object does not meet the requirement ..... : Fail (F)

**Testing** .....

Date of receipt of test item ..... : N/A

Date(s) of performance of tests ..... : N/A

**General remarks:**

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a  comma /  point is used as the decimal separator.

**Manufacturer's Declaration per sub-clause 6.2.5 of IEC 60335-1:**

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :  Yes  Not applicable

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) ..... : Millenium Microtech Shanghai  
No. 351 Guo Shou Jing Rd., Z.J. Hi Tech Park  
Pudong New Area, Shanghai,  
201203 CHINA

**General product information:**

The update concerned in this amendment report covers the introduction of new variant, model CAP200DG. This new variant is identical to model SC1143 except for model name.

<b>Project history:</b>		
Nemko Report/ Order No.:	Modification to the appliances:	Changes/ Modifications in clause(s):
246847	Main Test Report	N/A
247609	Adding of voltage and frequency range; 85-265V AC, 47-63Hz.  Note that DSH 1080 only covers Installation Category II (2.5kV transients), and end products using the ICX covered by this report must follow the same Installation Category.	Summary of testing, General product information, 9.1.1.1 and 9.1.6
270270	Introduction of different minimum and maximum X-capacitance and resistance values: X-capacitance: Min. 100nF, max. 6µF Resistance: Min. 142kΩ, max. 7.5MΩ Refer also General product information.	Summary of testing, General product information, 9.1.1.1 and 9.1.6
277779	Addition of a new model CAP200DG. The new model is identical to model SC1143 except for model name. No additional testing required.	5.1

5.1	a) Identification, maker .....	CAPZero	P
	b) Model number or type reference .....	CAP002DG; CAP003DG; CAP004DG; CAP005DG; CAP006DG; CAP007DG; CAP008DG; CAP009DG; CAP012DG; CAP013DG; CAP014DG; CAP015DG; CAP016DG; CAP017DG; CAP018DG; CAP019DG; SC1143; CAP200DG	P