





Amendment to Test Report	
This Amendment is valid only together with the main Test Report	
Report No	277782
Main Report No	261294
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 62368-1:2014 (Second Edition)
Test procedure	CB scheme
Non-standard test method	N/A
<p>Copyright © 2010 Worldwide System for Conformity Testing and Certification of Electrotechnical Equipment and Components (IECEE), Geneva, Switzerland. All rights reserved.</p> <p>This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.</p> <p>If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.</p> <p>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.</p>	
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)

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

List of Attachments (including a total number of pages in each attachment):

N/A

Summary of testing:

N/A

Tests performed (name of test and test clause):	Testing location:

Summary of compliance with National Differences

All CB member countries

The product fulfils the requirements of IEC 62368-1:2014 and EN 62368-1:2014

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.

Calibration	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.
Measurement uncertainty	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.
Evaluation of results	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 : N/A
- test object does meet the requirement..... : P (Pass)
- test object does not meet the requirement : F (Fail)

Testing

Date of receipt of test item : N/A

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

Manufacturer's Declaration per sub-clause 6.2.5 of IECEE 02:

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

<p>General product information:</p> <p>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.</p>
--

Project history:		
Nemko Report/ Order No.:	Modification to the appliances:	Changes/ Modifications in clause(s):
261294	Main Test Report	N/A
270292	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, 5.5, G.16 and Table 5.5.2.2.
275454	Addition of EN 62368-1:2014	National differences according to EN 62368-1:2014
277782	Addition of a new model CAP200DG. The new model is identical to model SC1143 except for model name. No additional testing required.	F.3

F.3	Equipment markings		P
F.3.1	Equipment marking locations	On the body of the ICX.	P
F.3.2	Equipment identification markings	Refer below:	P
F.3.2.1	Manufacturer identification	The logo of Power Integrations applied.	—
F.3.2.2	Model identification	CAP002DG; CAP003DG; CAP004DG; CAP005DG; CAP006DG; CAP007DG; CAP008DG; CAP009DG; CAP012DG; CAP013DG; CAP014DG; CAP015DG; CAP016DG; CAP017DG; CAP018DG; CAP019DG; SC1143; CAP200DG	—