



Certificate of Compliance

Certificate: 1098221

Master Contract: 174688

Project: 70046094

Date Issued: 2015-09-23

Issued to: Cosel Co., Ltd.
1-6-43 Kamiakae-machi
Toyama-shi, Toyama 930-0816
JAPAN
Attention: Yoshiki Ishikawa

The products listed below are eligible to bear the CSA Mark shown



Issued by: Alan
McLaughlin
Alan McLaughlin

PRODUCTS

CLASS - C531103 - POWER SUPPLIES-Component Type

CLASS - C531107 - POWER SUPPLIES - Component Type-(CSA 60950-1-03)

PART A to C and E

CLASS - C531103 - POWER SUPPLIES-Component Type

PART D

CLASS - C531107 - POWER SUPPLIES - Component Type-(CSA 60950-1-03)

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.



Certificate: 1098221
Project: 70046094

Master Contract: 174688
Date Issued: 2015-09-23

<u>PART</u>	<u>Model</u>	<u>Level</u>	<u>Input</u>	<u>Output</u>
A	MMC8U-1	1	100 to 120V ac 47 to 440Hz 0.2A max	+5V dc, 1.2A +12V dc, 0.1A -12V dc, 0.1A
	MMC8U-2	1	100 to 120V ac 47 to 440Hz 0.2A max	+5V dc, 1.1A +15V dc, 0.1A -15Vdc, 0.1A
	MMC8U-3	1	100 to 120V ac 47 to 440Hz 0.2A max	+5V dc, 1.2A +12V dc, 0.1A -5V dc, 0.1A
B	PMC15U-1	1	100 to 240V ac 47 to 440Hz 0.5A	+5V dc, 2A +12V dc, 0.3A -12V dc, 0.2A
	PMC15U-2	1	100 to 240V ac 47 to 440Hz 0.5A	+5V dc, 2A +15V dc, 0.3A -15V dc, 0.2A
	PMC15U-3	1	100 to 240V ac 47 to 440Hz 0.5A	+5V dc, 2A +12V dc, 0.3A -5V dc, 0.2A
C	PMC30U-1	1	100 to 240V ac 47 to 440Hz 0.9A	+5V dc, 3A +12V dc, 1.2A -12V dc, 0.3A
	PMC30U-2	1	100 to 240V ac 47 to 440Hz 0.9A	+5V dc, 3A +15V dc, 0.7A -15V dc, 0.5A
D	PMC15E-1 PMC15E-1-XKOD	3	100 to 240V ac 50-60Hz 0.5A	+5V dc, 2A +12V dc, 0.3A -12V dc, 0.2A
	PMC15E-2	3	100 to 240V ac 50-60Hz 0.5A	+5V dc, 2A +15V dc, 0.3A -15V dc, 0.2A
	PMC15E-3	3	100 to 240V ac 50-60Hz 0.5A	+5V dc, 2A +12V dc, 0.3A -5V dc, 0.2A
E	PMC30E-1	3	100 to 240V ac 50-60Hz 0.9A	+5V dc, 3A +12V dc, 1.2A -12V dc, 0.3A
	PMC30E-2	3	100 to 240V ac 50-60H 0.9A	+5V dc, 3A +15V dc, 0.7A -15V dc, 0.5A

Notes:

- (a) Component type power supplies for use with Information Technology and Electrical Business Equipment where the suitability of the combination is determined by the CSA International.
- (b) Evaluation for Resistance to Abnormal Heat (Ball Pressure) Test, Earth Continuity Test and Limited Short-circuit Test shall be performed in the end equipment (PART D).



Certificate: 1098221
Project: 70046094

Master Contract: 174688
Date Issued: 2015-09-23

APPLICABLE REQUIREMENTS

PART A to C and E
CSA Electrical Bulletin 1402 - Requirement for Component Type Power Supplies Intended for use with Information Processing and Business Equipment

PART D
CAN/CSA - C22.2 No. 60950-1-03 - Information Technology Equipment – safety – Part 1:
General Requirement



Supplement to Certificate of Compliance

Certificate: 1098221

Master Contract: 174688

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70046094	2015-09-23	Update Report 1098221 to include alternate components TH1, TR1, sleeving and correct typos
70026186	2015-05-07	Update Report 1098221 to include an alternate line to line capacitor C1 for models PMC30E-1 and PMC30E-2.
2354559 (Ed. 25)	2010-09-28	Correction of Certificate of Compliance.
2123459 (Ed. 24)	March 19, 2009	Alternate Use of Thermistor TH11 (types 114-080-41218, NTPA78R0LB4A0), Fuse F1 (type FBT), Revision of Insulation Sheet (type FR7) and Report Correction (Fuseholder Designation 85PN0819) of PART B.
1644118 (Ed. 23)	June 5, 2006	Evaluate to Std. 60950-1 for Models of PART D and Report Correction
1425230 (Ed. 22)	April 10, 2003	Alternative Use of Transistor (TR1)
1309819 (Ed. 21)	April 15, 2002	Alternative Use of Components
1212013 (Ed. 20)	June 11, 2001	Report Correction
1098221 (Ed. 19)	June 16, 2000	Change of Transistor (TR1).
-378 (Ed. 18)	July 22, 1998	Alternate component.
-368 (Ed. 17)	June 22, 1998	Alternate indicator
-360 (Ed. 16)	March 27, 1998	Alternative components
-351 (Ed. 15)	December 17, 1997	Alternate PWB pattern layout
-251 (Ed. 14)	May 21, 1996	Alternative components
-197 (Ed. 13)	August 7, 1995	Alternate construction
-195 (Ed. 12)	July 31, 1995	Alternate construction
-172 (Ed. 11)	February 15, 1995	Alternative Hybrid IC supplier
-111 (Ed. 10)	April 5, 1993	Revised construction
-110 (Ed. 9)	January 27, 1993	Revised construction
-84 (Ed. 8)	January 18, 1991	Include new Models PMC15E-1-XKOD and P30E-XKOD respectively.Re-evaluate to Level 3 output for Models PMC30E-1,-2, PMC15E-1,-2 And -3
-81 (Ed. 7)	December 7, 1990	Revised input ratings



Certificate: 1098221
Project: 70046094

Master Contract: 174688
Date Issued: 2015-09-23

-74 (Ed. 6)	January 23, 1990	Report corrections, series PMC15U and PMC30U
-63 (Ed. 5)	July 18, 1989	Cover input ratings in amps, Models PMC15U/E and PMC30U/E series
-57 (Ed. 4)	June 6, 1989	Alternate PCB Layout and Circuit Diagram
-56 (Ed. 3)	May 29, 1989	Alternate rating series, PMC15U and PMC30U and to cover component type
-50 (Ed. 2)	May 12, 1989	Power supplies, series PMC15E and PMC30E
-28 (Ed. 1)	February 19, 1988	Original Certification