

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product

Produit

Name and address of the Applicant

Nom et adresse du demandeur

Name and address of the manufacturer

Nom et adresse du fabricant

Name and address of the factory

Nom et adresse de l'usine

Rating and principal characteristics

Valeurs nominales et caractéristiques principales

Trademark (if any)

Marque de fabrique (si elle existe)

Type of manufacturer's Testing Laboratories used

Type de programme de laboratoire d'essais constructeur

Model / Type Ref.

Réf. de type

Additional information (if necessary may also be reported on page 2)

Les informations complémentaires (si nécessaire, peuvent être indiquées sur la 2ème page)

A sample of product was tested and found to be in conformity with IEC

Un échantillon de ce produit a été essayé et été considéré conforme à la CEI

National differences / Comments

Les différences nationales / Commentaires

As shown in the test report Ref. No. which forms part of this certificate

Comme indiqué dans le rapport d'essais numéro de référence qui constitue partie de ce certificat

LED DRIVER

Darfon Electronics Corp.

167, Shanying Road, Gueishan, Taoyuan 33341, R.O.C.
Taiwan

Darfon Electronics Corp.

167, Shanying Road, Gueishan, Taoyuan 33341, R.O.C.
Taiwan

Darfon Electronics (Suzhou) Co., Ltd.

No. 99, Zhu Yuan Rd., 215129 New District, Suzhou, JiangSu, People's
Republic of
China

I/P: 100-277Vac, 50/60Hz, 1.5A

O/P: See "General Product Information" for details.

ta = 60°C, tc = 90°C, Class I



Darfon

MDC-120-x (x= 1400, 2450, 2800, 3500, 4450)

61347-1(ed.2);am1

61347-2-13(ed.1)

Comments:

+ EN 61347-2-13:2006

+ EN 61347-1:2008 +A1:2011

AT, DK, GB, SE

14-028946-03

This CB Test Certificate is issued by the National Certification Body:

Korea Testing Laboratory (KTL)

87, Digital-ro 26-gil, Guro-gu, Seoul 152-718 KOREA, REPUBLIC OF

Ce Certificat d'essai OC est établi par l'Organisme National de Certification



Date: 2014-10-23

Signature: Mr. Ho-Woo Kang



Additional factory

Darfon Electronics Corp.
167, Shanying Road, Gueishan, Taoyuan 33341, R.O.C.
Taiwan

This CB Test Certificate is issued by the National Certification Body:

Korea Testing Laboratory (KTL)
87, Digital-ro 26-gil, Guro-gu, Seoul 152-718 KOREA, REPUBLIC OF

Ce Certificat d'essai OC est établi par l'Organisme National de Certification



Date: 2014-10-23

Signature: Mr. Ho-Woo Kang



CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product

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Name and address of the Applicant

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Name and address of the manufacturer

Nom et adresse du fabricant

Name and address of the factory

Nom et adresse de l'usine

Rating and principal characteristics

Valeurs nominales et caractéristiques principales

Trademark (if any)

Marque de fabrique (si elle existe)

Type of manufacturer's Testing Laboratories used

Type de programme de laboratoire d'essais constructeur

Model / Type Ref.

Réf. de type

Additional information (if necessary may also be reported on page 2)

Les informations complémentaires (si nécessaire, peuvent être indiquées sur la 2ème page)

A sample of product was tested and found to be in conformity with IEC

Un échantillon de ce produit a été essayé et été considéré conforme à la CEI

As shown in the test report Ref. No. which forms part of this certificate

Comme indiqué dans le rapport d'essais numéro de référence qui constitue partie de ce certificat

LED DRIVER

Darfon Electronics Corp.

167, Shanying Road, Gueishan, Taoyuan 33341, R.O.C.

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Taiwan

Darfon Electronics (Suzhou) Co., Ltd.

No. 99, Zhu Yuan Rd., 215129 New District, Suzhou, JiangSu, China

I/P: 100-277Vac, 50/60Hz, 1.5A

O/P: See "General Product Information" for details.

ta = 60°C, tc = 90°C, Class I



Darfon

MDC-120-x (x=0350, 0500, 0700, 1050)

61347-1(ed.2);am1

61347-2-13(ed.1)

14-028946-07

This CB Test Certificate is issued by the National Certification Body:

Korea Testing Laboratory (KTL)

87, Digital-ro 26-gil, Guro-gu, Seoul 152-718 KOREA, REPUBLIC OF

Ce Certificat d'essai OC est établi par l'Organisme National de Certification



Date: 2014-09-05

Signature: Mr. Ho-Woo Kang



Additional factory

Darfon Electronics Corp.
167, Shanying Road, Gueishan, Taoyuan 33341, R.O.C.
Taiwan

This CB Test Certificate is issued by the National Certification Body:

Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Korea Testing Laboratory (KTL)
87, Digital-ro 26-gil, Guro-gu, Seoul 152-718 KOREA, REPUBLIC OF



Date: 2014-09-05

Signature: Mr. Ho-Woo Kang





中国国家强制性产品认证证书

证书编号: 2015011002796821

委托人名称、地址

达方电子股份有限公司
台湾桃园县龟山乡山顶村20邻山莺路167-1号

生产者(制造商)名称、地址

达方电子股份有限公司
台湾桃园县龟山乡山顶村20邻山莺路167-1号

生产企业名称、地址

苏州达方电子有限公司
江苏省苏州高新区竹园路99号

产品名称和系列、规格、型号

LED模块用交流电子控制装置(LED控制装置, 独立式, 恒流模式, 隔离式, $t_a: 60^{\circ}\text{C}$, $t_c: 90^{\circ}\text{C}$, I类, IP65, F标记, 定温热保护: 110°C)

见附件。100-277V~ 50/60Hz

产品标准和技术要求

GB19510.14-2009, GB19510.1-2009, GB17743-2007, GB17625.1-2012

上述产品符合强制性产品认证实施规则
CNCA-C10-01: 2014的要求, 特发此证。

发证日期: 2015年08月12日

有效期至: 2020年08月12日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站www.cnca.gov.cn查询



主任:

中国质量认证中心

中国·北京·南四环西路188号9区100070

<http://www.cqc.com.cn>



Q 1206412



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2015011002796821

NAME AND ADDRESS OF THE APPLICANT

Darfon Electronics Corp.
No.167-1, Shanying Rd., 20 Neighborhood, Mountain Village, Guishan
Township, Taoyuan County 333, Taiwan

NAME AND ADDRESS OF THE MANUFACTURER

Darfon Electronics Corp.
No.167-1, Shanying Rd., 20 Neighborhood, Mountain Village, Guishan
Township, Taoyuan County 333, Taiwan

NAME AND ADDRESS OF THE FACTORY

Darfon Electronics (Suzhou) Co., Ltd.
No. 99, Zhuyuan Road, Suzhou Hi-tech Zone, Jiangsu Province, P.R.China

NAME, MODEL AND SPECIFICATION

A.C. Supplied Electronic Controlgear For LED Modules (Independent,
Constant Current Mode, Isolating Controlgear, ta:60°C, tc:90°C, Class
I, IP65, F Mark, Temperature Declared Thermally Protected: 110°C)
See Appendix. 100-277V~ 50/60Hz

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB19510.14-2009, GB19510.1-2009, GB17743-2007, GB17625.1-2012

This is to certify that the above mentioned products have met the
requirements of implementation rules for compulsory certification(REF
NO. CNCA-C10-01:2014).

Date of issue: Aug.12,2015 Date of expiry: Aug.12,2020

Validity of this certificate is subject to positive result of the regular
follow up inspection by issuing certification body until the expiry date.

This certificate can be verified through CNCA's website: www.cnca.gov.cn



President:

Wang Kejiao

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan Xilu, Beijing 100070 P.R.China

<http://www.cqc.com.cn>



Q 1206412



中国国家强制性产品认证证书

附录:

第 1 页 共 1 页

证书编号: 2015011002796821

纸号: 1206412

型号	输出电流(A)	最大输出电压(V)
MDC-120-0350 A	350mA	430Vdc
MDC-120-0500 A	500mA	300Vdc
MDC-120-0700 A	700mA	215Vdc
MDC-120-1050 A	1050mA	148Vdc

输入: 100-277V~50/60Hz

注: 此附录与证书同时使用时有效。



主任:

中国质量认证中心

中国·北京·南四环西路188号9区 100070

<http://www.cqc.com.cn>





中国国家强制性产品认证证书

证书编号: 2015011002780024

委托人名称、地址

达方电子股份有限公司
台湾桃园县龟山乡山顶村20邻山莺路167-1号

生产者(制造商)名称、地址

达方电子股份有限公司
台湾桃园县龟山乡山顶村20邻山莺路167-1号

生产企业名称、地址

苏州达方电子有限公司
江苏省苏州高新区竹园路99号

产品名称和系列、规格、型号

LED模块用交流电子控制装置(LED控制装置, 独立式, 恒流模式, 安全特低电压, $t_a: 60^{\circ}\text{C}$, $t_c: 90^{\circ}\text{C}$, I类, IP65, F标记, 定温热保护: 110°C)

MDC-120-1400 A 输出: Max. 108Vdc 1400mA, MDC-120-2450 A 输出: Max. 49Vdc 2450mA, MDC-120-2800 A 输出: Max. 42Vdc 2800mA, MDC-120-3500 A 输出: Max. 35Vdc 3500mA, MDC-120-4450 A 输出: Max. 27Vdc 4450mA; 输入: 100-277V~ 50/60Hz 1.5A.

产品标准和技术要求

GB19510.14-2009, GB19510.1-2009, GB17743-2007, GB17625.1-2012

上述产品符合强制性产品认证实施规则
CNCA-C10-01: 2014的要求, 特发此证。

发证日期: 2015年06月10日

有效期至: 2020年06月10日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站www.cnca.gov.cn查询



主任:

中国质量认证中心

中国·北京·南四环西路188号9区 100070

<http://www.cqc.com.cn>



Q 1155016



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2015011002780024

NAME AND ADDRESS OF THE APPLICANT

Darfon Electronics Corp.
No.167-1, Shanying Rd., 20 Neighborhood, Mountain Village, Guishan
Township, Taoyuan County 333, Taiwan

NAME AND ADDRESS OF THE MANUFACTURER

Darfon Electronics Corp.
No.167-1, Shanying Rd., 20 Neighborhood, Mountain Village, Guishan
Township, Taoyuan County 333, Taiwan

NAME AND ADDRESS OF THE FACTORY

Darfon Electronics (Suzhou) Co., Ltd.
No. 99, Zhuyuan Road, Suzhou Hi-tech Zone, Jiangsu Province, P.R.China

NAME, MODEL AND SPECIFICATION

A.C. Supplied Electronic Controlgear For LED Modules (LED
Controlgear, Independent, Constant Current Mode, SELV, ta:60°C,
tc:90°C, Class I, IP65, F Mark, Temperature Declared Thermally
Protected: 110°C)
MDC-120-1400 A Output: Max.108Vdc 1400mA, MDC-120-2450 A Output: Max.49Vdc
2450mA, MDC-120-2800 A Output: Max.42Vdc 2800mA, MDC-120-3500 A Output:
Max.35Vdc 3500mA, MDC-120-4450 A Output: Max.27Vdc 4450mA; Input: 100-277V
~ 50/60Hz 1.5A.

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB19510.14-2009, GB19510.1-2009, GB17743-2007, GB17625.1-2012

This is to certify that the above mentioned products have met the
requirements of implementation rules for compulsory certification(REF
NO. CNCA-C10-01:2014).

Date of issue: Jun.10,2015 Date of expiry: Jun.10,2020

Validity of this certificate is subject to positive result of the regular
follow up inspection by issuing certification body until the expiry date.
This certificate can be verified through CNCA's website: www.cnca.gov.cn



President:

Wang Kejiao



CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan Xilu, Beijing 100070 P.R.China

<http://www.cqc.com.cn>

Q 1155016



Declaration of Conformity

according to the following directives and laws

Standards:

Standards

2006/95/EC (Low Voltage Directive)

2004/108/EC (EMC Directive)

EN 61000-3-2: 2006/A2:2009

EN 61000-3-3: 2013

EN 55015: 2006/A1:2007/A2:2009

EN 61547: 2009

EN 61000-4-2: 2009

EN 61000-4-4: 2012

EN 61000-4-6: 2013

EN 61000-4-8: 2010

Directives

EN 61347-2-13: 2006 which used in
conjunction with EN 61347-1: 2008+A1:2011

EN 61000-4-3: 2006+A1:2007+A2:2010

EN 61000-4-5: 2006

EN 61000-4-11:2004

For the following equipment:

Product:

LED Driver

Type Designation/Trademark:

MDC-120-0350, MDC-120-0500, MDC-120-0700, MDC-
120-1050, MDC120-1400, MDC-120-2450, MDC-120-
2800, MDC-120-3500, MDC-120-4450/ Darfon

Manufacturer's Name:

Darfon Electronics Corp.

Manufacturer's Address:

167, Shanying Road, Gueishan, Taoyuan 33341,
Taiwan

Person responsible for making this declaration

Name, Surname:

David Yang

Position/Title:

Safety / Technical Manager

Place:

333 Taoyuan, Taiwan

Date:

27 August 2014

CNS 14934-2 諧波電流發射

電磁相容測試報告

申請廠商：達方電子股份有限公司
地址：桃園市龜山區山頂里20鄰山鶯路167-1號
器材名稱：LED 電源驅動器
廠牌：**DARFON**
型號：MDC-120-0700 A、MDC-120-0700 B
檢驗標準：CNS 14934-2(94年07月)



財團法人台灣電子檢驗中心(林口實驗室)

新北市林口區頂福里5鄰34號

電話：(02)26023052

傳真：(02)26010910

報告號碼：15-04-RBO-038-03



CNS 15467-2-13 LED 模組用直流或交流電子式控制裝置試驗報告

報告

報告/工服編號: 15-04-VAA-083 簽發日期.....: 104 年 05 月 25 日

報告頁數.....: 共 42 頁

測試者(簽章).....:



簽署人(簽章).....:



試驗室

名稱.....: 財團法人台灣電子檢驗中心產品安全實驗室

地址.....: 桃園市龜山區文明路 64 號

測試地點.....: 同上

申請者

名稱.....: 達方電子股份有限公司

地址.....: 桃園市龜山區山頂里 20 鄰山鶯路 167-1 號

試驗規範

依據標準.....: CNS 15467-2-13 LED 模組用直流或交流電子式控制裝置之個別規定(101 年版)+CNS 15467-1 光源控制裝置：通則及安全性規定(101 年版)

試驗方式.....: 型式試驗

試驗樣品

品名.....: LED 電源驅動器

型號.....: 主型號：MDC-120-0700 B 系列型號：MDC-120-0700 A

供應商/商標.....: **DARFON**

額定.....: 輸入：110-277V~, 50/60Hz, 1.8A
輸出：Max. 215Vd.c., 700mA, 150.5W (定電流 Constant Current)

其他資訊

IP 等級.....: IP66/IP65

操作方法.....: 連續操作

防電擊保護.....: I 類

電源線連接方法.....: 電源引線

測試狀態判定.....: 不適用；符合；不符合

測試

收件日.....: 104 年 04 月 20 日

完成日.....: 104 年 05 月 25 日

結果.....: 符合

其他資訊：本報告內容除 CNS 15467-2-13 本文外，另含附件如下：

1. 重要零組件及材料組成規格一覽表；
2. 產品外觀及重要內部結構及零組件之相片。

一般須知

本報告僅對測試樣品負責，未經本中心書面許可不得部份複製，但全部複製除外。
本報告格式乃依據 CNS 15467-2-13 (101 年版)，節錄製作，詳細內容須見標準。
章節的括號()部份為 CNS 15467-1 (101 年版)的相關章節。

電磁相容型式檢驗報告

申請者	達方電子股份有限公司
申請者地址	桃園市龜山區山頂里20鄰山鶯路167-1號
製造廠商	1)蘇州達方電子有限公司 2)達方電子股份有限公司精機廠
製造廠商地址	1)蘇州市新區竹園路99號 2)桃園市龜山區山頂里20鄰山鶯路167-1號
受檢設備名稱	LED 電源驅動器
廠牌	DARFON
型號	MDC-120-0700 A等機種 (詳如系列差異表所示)
檢驗標準	CNS 14115(87年02月)
受理日期	104年04月20日
發行日期	104年06月01日
檢驗結果	合格

財團法人台灣電子檢驗中心(林口實驗室)

<http://www.etc.org.tw> ; e-mail:emc@etc.org.tw

新北市林口區頂福里5鄰34號

電話：(02)26023052

傳真：(02)26010910



報告簽署人:

日期: 104年06月01日

電磁相容測試報告

申請廠商：達方電子股份有限公司
地址：桃園市龜山區山頂里20鄰山鶯路167-1號
器材名稱：LED 電源驅動器
廠牌：**DARFON**
型號：MDC-120-0700 A、MDC-120-0700 B
檢驗標準：CNS 14676-5(91年09月)



財團法人台灣電子檢驗中心(林口實驗室)

新北市林口區頂福里5鄰34號

電話：(02)26023052

傳真：(02)26010910

報告號碼：15-04-RBO-038-02



財團法人台灣電子檢驗中心
 地址:台南市安平工業區新和二路5號
 TEL:06-2925787 FAX:06-2650302
<http://www.etc.org.tw>



工服編號：15-07-NEF-024

簽發日期：104年7月31日

測 試 報 告

工服編號：15-07-NEF-024
 委試公司：達方電子股份有限公司
 委試公司地址：桃園市龜山區山頂里20鄰山鶯路167-1號
 檢試物品：LED 電源驅動器
 型號：MDC-120-0700 A
 數量：2組
 收件日期：104年7月15日
 檢試日期：104年7月20日~104年7月21日
 檢試規範：參照申請廠商規範
 (CNS14165 87年版)
 檢試地點：財團法人台灣電子檢驗中心台南電磁相容/安規實驗室
 (TAF 認證編號:1161)
 周圍環境：IP6X 溫度 $28 \pm 1^{\circ}\text{C}$ ，相對濕度 $50 \pm 2\%$
 IPX5 溫度 $28 \pm 1^{\circ}\text{C}$ ，相對濕度 $51 \pm 2\%$
 檢試項目：IP65
 檢試條件：請參閱測試條件&安裝說明書
 檢試結果：合格



一般須知：本報告僅對測試樣品負責，未經本中心書面許可不得部分摘錄複製，但全部複製除外。

測試者：

傅義烈 104.7.31

報告簽署人：

王慎天 104.7.31

財團法人台灣電子檢驗中心
 (台南電磁相容/安規實驗室)

財團法人台灣電子檢驗中心
 (台南電磁相容/安規實驗室)



財團法人台灣電子檢驗中心
 地址:台南市安平工業區新和二路5號
 TEL:06-2925787 FAX:06-2650302
<http://www.etc.org.tw>



工服編號：15-07-NEF-025

簽發日期：104年7月31日

測 試 報 告

工服編號：15-07-NEF-025
 委試公司：達方電子股份有限公司
 委試公司地址：桃園市龜山區山頂里20鄰山鶯路167-1號
 檢試物品：LED 電源驅動器
 型號：MDC-120-0700 B
 數量：2組
 收件日期：104年7月15日
 檢試日期：104年7月21日~104年7月22日
 檢試規範：參照申請廠商規範
 (CNS14165 87年版)
 檢試地點：財團法人台灣電子檢驗中心台南電磁相容/安規實驗室
 (TAF 認證編號:1161)
 周圍環境：IP6X 溫度 $27 \pm 1^{\circ}\text{C}$ ，相對濕度 $52 \pm 2\%$
 IPX6 溫度 $27 \pm 1^{\circ}\text{C}$ ，相對濕度 $51 \pm 2\%$
 檢試項目：IP66
 檢試條件：請參閱測試條件&安裝說明書
 檢試結果：合格



一般須知：本報告僅對測試樣品負責，未經本中心書面許可不得部分摘錄複製，但全部複製除外。

測試者：
 傅義烈
 104.7.31

報告簽署人：
 王慎天
 104.7.31

財團法人台灣電子檢驗中心
 (台南電磁相容/安規實驗室)

財團法人台灣電子檢驗中心
 (台南電磁相容/安規實驗室)



CONFORMANCE TEST REPORT FOR EN 55015 / EN 61547

Report No.: 15-08-RBO-024-01

According to:

- Electromagnetic Compatibility Directive: 2004/108/EC
Low Voltage Directive: 2006/95/EC
Radio Equipment and Telecommunications Terminal Equipment: 1999/5/EC
Machinery Directives: 2006/42/EC

Client: Darfon Electronics Corp.
Product: LED Driver
Model: MDC-120-4550 X Y
Serial No: MDC-120-0350 X Y, MDC-120-0500 X Y, MDC-120-0700 X Y, MDC-120-1050 X Y, MDC120-1400 X Y, MDC-120-2450 X Y, MDC-120-2800 X Y, MDC-120-3500 X Y, MDC-100-1650 X Y, MDC-100-1960 X Y, MDC-100-2290 X Y, MDC-100-2740 X Y, MDC-100-3560 X Y, MDC-120-2100 X Y
Manufacturer/supplier: Darfon Electronics Corp.
Date test item received: 2014/03/07
Date test campaign completed: 2014/04/24
Date of first Issue (14-03-RBO-042): 2014/04/28
Date of issue: 2015/08/27

The test result only corresponds to the tested sample. It is not permitted to copy this report, in part or in full, without the permission of the test laboratory.

Total number of pages of this test report: 84 pages
Total number of pages of this test photos: 32 pages



Table with 3 columns: Test Engineer (Sky Kuo), Checked By (Licher Chen), Approved By (Anderson Ku)

ELECTRONICS TESTING CENTER, TAIWAN
NO. 34, LIN 5, DINGFU, LINKOU DIST., NEW
TAIPEI CITY, TAIWAN, 24442, R.O.C.

TEL: (02) 26023052
INT: +886-2-26023052
FAX: (02) 26010910
INT: +886-2-26010910



Laboratory Introduction: Electronics Testing Center, Taiwan is recognized, filed and mutual recognition arrangement as following:

- ISO9001: TüV Product Service
ISO/IEC 17025: BSMI, TAF, NCC, NVLAP, CCIBLAC, UL, Compliance
Filing: FCC, Industry Canada, VCCI
MRA: Australia, Hong Kong, New Zealand, Singapore, USA, Japan, Korea, China, APLAC through TAF
FCC Registration Number: 90588, 91094, 91095

適合同等証明書

Statement of Conformity Assessment

電気用品安全法第8条第1項に規定する技術基準及び同法第9条第2項の経済産業省令で定める基準（法第9条第1項第2号に係る検査に係るものに限る）に適合していることを証明します

I hereby certify that the product mentioned below complies with the technical requirements stipulated in Paragraph 1 of Article 8 of Electrical Appliances and Materials Safety Act (here under referred to as the Act) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Act (limited to Item 2 of Paragraph 1 of Article 9 for Inspection of the Act).

1. 証明書番号: J E T 5 6 3 3 - 6 1 0 1 0 - 1 0 0 3
Statement Number
2. 交付年月日: 平成27年 2月26日
Effective Date February 26, 2015
3. 有効年月日: 平成32年 2月25日
Date of Validity February 25, 2020
4. 申込者名 (Applicant)
住 所: NO. 99, ZHU YUAN RD., 215129 NEW DISTRICT, SUZHOU, JIANGSU, PEOPLE'S REPUBLIC OF CHINA
Address

氏名又は名称: DARFON ELECTRONICS (SUZHOU) CO., LTD.
Name

5. 特定電気用品名: 直流電源装置
Name of Product DC power supply units
6. 型式の区分: 別紙のとおり
Type Classification See attached "Type Classification"
7. 製造工場名 (Manufacturer)
住 所: NO. 99, ZHU YUAN RD., 215129 NEW DISTRICT, SUZHOU, JIANGSU, PEOPLE'S REPUBLIC OF CHINA
Address

氏名又は名称: DARFON ELECTRONICS (SUZHOU) CO., LTD.
Name

8. 適用試験規格: 電気用品の技術上の基準を定める省令の解釈
Applied Standard for Testing Description of the technical requirements by the METI Ordinance
別表第八1、2 (102) 及び別表第十 第5章
Appendix 8 Section 1, Section 2 Chapter 102 and Appendix 10 Chapter 5

9. 適合性検査の方法: (Testing Method for Conformity Assessment)
- 1) 試験用の特定電気用品については、電気用品の技術上の基準を定める省令の解釈に定める方法
With respect to testing for Category A products, the testing method is based on the technical requirements of the description of Electrical Appliances and Materials stipulated in the METI Ordinance.
- 2) 当該特定電気用品に係る届出事業者又は事業場における検査設備については、電気用品安全法施行規則別表第四の検査設備の欄に掲げる検査設備ごとにそれぞれ同表の技術上の基準の欄に掲げる方法
With respect to inspection facilities required for Category A products at the factory, Testing Method described in the column of the technical requirements for each inspection facilities in the column of inspection facilities is shown in the Appendix 4 of Enforcement Regulations of the Act.

10. 注意事項

- 1) この適合同等証明書は、提出された試験用の電気用品に関して評価を行った上で交付したものであり、同一の型式の区分にある電気用品について電気用品安全法第8条1項に規定する技術基準適合確認の義務を履行したことを示すものではありません。

This Statement of Conformity Assessment, which is issued on the evaluation of the submitted test-use Electrical Appliances and Materials, does not signify that the Obligation to Comply with Requirements, which is prescribed at Paragraph 1 of Article 8 of the Act, is fulfilled on Electrical Appliances and Materials in the same Type Classification.

- 2) この適合同等証明書は、別紙に記載されている型式の区分の範囲内及び区分の組み合わせについてのみ有効です。

This Statement of Conformity Assessment is valid only for Electrical Appliances and Materials within the Type Classifications and their combination as stated in the attached "Type Classification".

一般財団法人 電気安全環境研究所
Japan Electrical Safety & Environmental Technology Laboratories (JET)

理事長 薦田 康
President Yasuhisa Komoda

東京都渋谷区代々木5-14-12
(5-14-12, Yoyogi, Shibuya-ku, Tokyo, Japan)



証明書番号 : J E T 5 6 3 3 - 6 1 0 1 0 - 1 0 0 3

適合同等証明書別紙

Statement of Conformity Assessment

型式の区分

Type Classification

要素 Factor	区分 Classification
定格入力電圧 Rated input voltage	(1) 125V以下のもの 125V or less
	(2) 125Vを超えるもの Exceeding 125V
入力側の定格容量 Rated capacity on input side	(11) 100VAを超え200VA以下のもの Exceeding 100VA, and less than or equal to 200VA
定格周波数（変圧器を有するものの場合に限る。） Rated frequency (limited to those with transformers)	(1) 50Hzのもの 50Hz
	(2) 60Hzのもの 60Hz
交流用端子 Alternating current terminal	(2) ないもの Without A.C. terminal
直流定格電圧 Rated direct current voltage	(3) 30Vを超え60V以下のもの Exceeding 30V, and less than or equal to 60V
変圧器 Transformer	(1) あるもの With transformer
変圧器の巻線の絶縁の種類 Transformer winding insulation class	(2) E種のもの Class E
直流電圧の調整装置 D.C. voltage adjusting mechanism	(2) ないもの Without adjusting mechanism
回路の保護機構 Circuit protection device	(1) あるもの With circuit protection device
器体スイッチ（主回路を開閉するものの場合に限り、自動スイッチ及び自動温度調節器を除く。） Body switch (limited to those used for turning the main circuit on and off, and excluding temperature limiters and thermostats.)	(2) ないもの Without body switch
器体スイッチの操作の方式 Switching operation of body switch	—
器体スイッチの接点の材料 Body switch contact materials	—
外郭の材料 Outer case materials	(1) 金属のもの Metal
用途 Application	(4) その他のもの Others
電源電線と器体との接続の方式 Power supply connections	(1) 直付けのもの No coupling device
二重絶縁 Double insulation	(2) 施してないもの Without double insulation

証明書番号：JET5633-61010-1003

FKSZ2.E472984

Drivers for Light-emitting-diode Arrays, Modules and Controllers - Component

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Drivers for Light-emitting-diode Arrays, Modules and Controllers - Component

[See General Information for Drivers for Light-emitting-diode Arrays, Modules and Controllers - Component](#)

DARFON ELECTRONICS CORP

E472984

167 Shanying Rd
Guishan District
Taoyuan, 333 TAIWAN

LED driver, isolated output, , Model(s) MDC-240-0700 X (a), MDC-240-1050 X (a), MDC-240-1400 X (a), MDC-240-4200 X (a), MDC-240-4900 X (a), MDC-240-5600 X (a), MDC-240-7000 X (a)

Model. No.	Supply Conn. Method	Input					Output					Env. Loc.	Type HL	Type TL	Tref max (°C)	Meas. Tref (°C)
		Volts (V)	Freq (Hz)	Power (W)	Amps (A)	Type	Volts (V)	Freq (Hz)	Power (W)	Amps (A)	Type [a]					
MBC-100-1600 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	63Vdc	-	.	1.6	CC, Isolated	Wet	-	-	-	-
MBC-100-1750 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	56Vdc	-	.	1.75	CC, Isolated	Wet	-	-	-	-
MBC-100-2100 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	49Vdc	-	.	2.1	CC, Isolated	Wet	-	-	-	-
MBC-100-2450 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	42Vdc	-	.	2.45	CC, Isolated	Wet	-	-	-	-
MBC-100-2800 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	35Vdc	-	.	2.8	CC, Isolated	Wet	-	-	-	-
MBC-160-2450 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	63Vdc	-	.	2.45	CC, Isolated	Wet	-	-	-	-
MBC-160-2800 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	56Vdc	-	.	2.8	CC, Isolated	Wet	-	-	-	-
MBC-160-3150 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	49Vdc	-	.	3.15	CC, Isolated	Wet	-	-	-	-
MBC-160-3850 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	42Vdc	-	.	3.85	CC, Isolated	Wet	-	-	-	-
MBC-160-4550 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	35Vdc	-	.	4.55	CC, Isolated	Wet	-	-	-	-
MDC-060-0350 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	200Vdc	-	.	0.35	CC, Isolated	Wet	-	-	-	-
MDC-060-0700 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	100Vdc	-	.	0.7	CC, Isolated	Wet	-	-	-	-

MDC-060-1050 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	70Vdc	-	.	1.05	CC, Isolated	Wet	-	-	-	-
MDC-060-1400 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	49Vdc	-	.	1.4	CC, Isolated	Damp	-	-	-	-
MDC-060-1750 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	35Vdc	-	.	1.75	CC, Isolated	Damp	-	-	-	-
MDC-060-2280 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	27Vdc	-	.	2.28	CC, Isolated	Wet	-	-	-	-
MDC-080-0350 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	257Vdc	-	.	0.35	CC, Isolated	Wet	-	-	-	-
MDC-080-0700 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	129Vdc	-	.	0.7	CC, Isolated	Wet	-	-	-	-
MDC-080-1400 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	58Vdc	-	.	1.4	CC, Class 2	Damp	-	-	-	-
MDC-080-1750 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	49Vdc	-	.	1.75	CC, Isolated	Damp	-	-	-	-
MDC-080-2100 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	42Vdc	-	.	2.1	CC, Isolated	Damp	-	-	-	-
MDC-080-2450 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	35Vdc	-	.	2.45	CC, Isolated	Damp	-	-	-	-
MDC-100-1650 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	58Vdc	-	.	1.65	CC, Class 2	Damp	-	-	-	-
MDC-100-1960 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	49Vdc	-	.	1.96	CC, Class 2	Damp	-	-	-	-
MDC-100-2290 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	42Vdc	-	.	2.29	CC, Class 2	Damp	-	-	-	-
MDC-100-2740 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	35Vdc	-	.	2.74	CC, Class 2	Damp	-	-	-	-
MDC-100-3560 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	27Vdc	-	.	3.56	CC, Class 2	Wet	-	-	-	-
MDC-120-0350 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	430Vdc	-	.	0.35	CC, Isolated	Wet	-	-	-	-
MDC-120-0500 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	300Vdc	-	.	0.5	CC, Isolated	Wet	-	-	-	-
MDC-120-	Leads	100-277Vac	50/60	.	1.8	Non-isolated	215Vdc	-	.	0.7	CC, Isolated	Wet	-	-	-	-


0700 X Y(a) (b)																	
MDC-120-1050 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	148Vdc	-	.	1.05	CC, Isolated	Wet	-	-	-	-	
MDC-120-1400 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	108Vdc	-	.	1.4	CC, Isolated	Wet	-	-	-	-	
MDC-120-2100 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	58Vdc	-	.	2.1	CC, Isolated	Wet	-	-	-	-	
MDC-120-2450 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	49Vdc	-	.	2.45	CC, Isolated	Wet	-	-	-	-	
MDC-120-2800 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	42Vdc	-	.	2.8	CC, Isolated	Wet	-	-	-	-	
MDC-120-3500 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	35Vdc	-	.	3.5	CC, Isolated	Wet	-	-	-	-	
MDC-120-4550 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	27Vdc	-	.	4.55	CC, Isolated	Wet	-	-	-	-	
MDC-150-2450 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	58Vdc	-	.	2.45	CC, Isolated	Wet	-	-	-	-	
MDC-150-3150 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	49Vdc	-	.	3.15	CC, Isolated	Wet	-	-	-	-	
MDC-150-3500 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	42Vdc	-	.	3.5	CC, Isolated	Wet	-	-	-	-	
MDC-150-4550 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	35Vdc	-	.	4.55	CC, Isolated	Wet	-	-	-	-	
MDC-185-0500 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	400Vdc	-	.	0.5	CC, Isolated	Wet	-	-	-	-	
MDC-185-0700 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	286Vdc	-	.	0.7	CC, Isolated	Wet	-	-	-	-	
MDC-185-1050 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	190Vdc	-	.	1.05	CC, Isolated	Wet	-	-	-	-	
MDC-185-1400 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	143Vdc	-	.	1.4	CC, Isolated	Wet	-	-	-	-	

MDC-185-3150 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	58Vdc	-	.	3.15	CC, Isolated	Wet	-	-	-	-
MDC-185-3850 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	49Vdc	-	.	3.85	CC, Isolated	Wet	-	-	-	-
MDC-185-4200 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	42Vdc	-	.	4.2	CC, Isolated	Wet	-	-	-	-
MDC-185-5250 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	35Vdc	-	.	5.25	CC, Isolated	Wet	-	-	-	-

[a] Identifies if the product itself has isolation between input and output based on the requirements of the standard. Output type (Non-isolated, Isolated, Class 2, LED Class 2) is designated based on the requirements that have been applied.

(a) - "X" can be A or B, where A represents non-dimming and B represents dimming option.

(b) - "Y" can be any character or blank, for marketing purpose only, no technical differences.

Marking: Company name, model designation and the Recognized Component Mark,  .
Last Updated on 2015-10-28

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FKSZ8.E472984 Drivers for Light-emitting-diode Arrays, Modules and Controllers Certified for Canada - Component

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Drivers for Light-emitting-diode Arrays, Modules and Controllers Certified for Canada - Component

See General Information for Drivers for Light-emitting-diode Arrays, Modules and Controllers Certified for Canada - Component

DARFON ELECTRONICS CORP

E472984

167 Shanying Rd
Guishan District
Taoyuan, 333 TAIWAN

LED driver, isolated output, Model(s) MDC-240-0700 X (a), MDC-240-1050 X (a), MDC-240-1400 X (a), MDC-240-4200 X (a), MDC-240-4900 X (a), MDC-240-5600 X (a), MDC-240-7000 X (a)

Model. No.	Supply Conn. Method	Input					Output					Env. Loc.
		Volts (V)	Freq (Hz)	Power (W)	Amps (A)	Type	Volts (V)	Freq (Hz)	Power (W)	Amps (A)	Type [a]	
MBC-100-1600 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	63Vdc	-	.	1.6	CC, Isolated	Wet
MBC-100-1750 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	56Vdc	-	.	1.75	CC, Isolated	Wet
MBC-100-2100 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	49Vdc	-	.	2.1	CC, Isolated	Wet
MBC-100-2450 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	42Vdc	-	.	2.45	CC, Isolated	Wet
MBC-100-2800 X (a)	Leads	100-277Vac	50/60	.	1.25	Non-isolated	35Vdc	-	.	2.8	CC, Isolated	Wet
MBC-160-2450 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	63Vdc	-	.	2.45	CC, Isolated	Wet
MBC-160-2800 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	56Vdc	-	.	2.8	CC, Isolated	Wet
MBC-160-3150 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	49Vdc	-	.	3.15	CC, Isolated	Wet
MBC-160-3850 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	42Vdc	-	.	3.85	CC, Isolated	Wet
MBC-160-4550 X (a)	Leads	100-277Vac	50/60	.	2.0	Non-isolated	35Vdc	-	.	4.55	CC, Isolated	Wet
MDC-060-0350 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	200Vdc	-	.	0.35	CC, Isolated	Wet
MDC-060-0700 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	100Vdc	-	.	0.7	CC, Isolated	Wet
MDC-060-1050 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	70Vdc	-	.	1.05	CC, Isolated	Wet
MDC-060-1400 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	49Vdc	-	.	1.4	CC, Isolated	Damp
MDC-060-1750 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	35Vdc	-	.	1.75	CC, Isolated	Damp
MDC-060-2280 X (a)	Leads	100-277Vac	50/60	.	0.9	Non-isolated	27Vdc	-	.	2.28	CC, Isolated	Wet
MDC-080-0350 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	257Vdc	-	.	0.35	CC, Isolated	Wet
MDC-080-0700 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	129Vdc	-	.	0.7	CC, Isolated	Wet

MDC-080-1400 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	58Vdc	-	.	1.4	CC, Class 2	Damp
MDC-080-1750 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	49Vdc	-	.	1.75	CC, Isolated	Damp
MDC-080-2100 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	42Vdc	-	.	2.1	CC, Isolated	Damp
MDC-080-2450 X (a)	Leads	100-277Vac	50/60	.	1.1	Non-isolated	35Vdc	-	.	2.45	CC, Isolated	Damp
MDC-100-1650 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	58Vdc	-	.	1.65	CC, Class 2	Damp
MDC-100-1960 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	49Vdc	-	.	1.96	CC, Class 2	Damp
MDC-100-2290 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	42Vdc	-	.	2.29	CC, Class 2	Damp
MDC-100-2740 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	35Vdc	-	.	2.74	CC, Class 2	Damp
MDC-100-3560 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	27Vdc	-	.	3.56	CC, Class 2	Wet
MDC-120-0350 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	430Vdc	-	.	0.35	CC, Isolated	Wet
MDC-120-0500 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	300Vdc	-	.	0.5	CC, Isolated	Wet
MDC-120-0700 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	215Vdc	-	.	0.7	CC, Isolated	Wet
MDC-120-1050 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	148Vdc	-	.	1.05	CC, Isolated	Wet
MDC-120-1400 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.8	Non-isolated	108Vdc	-	.	1.4	CC, Isolated	Wet
MDC-120-2100 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	58Vdc	-	.	2.1	CC, Isolated	Wet
MDC-120-2450 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	49Vdc	-	.	2.45	CC, Isolated	Wet
MDC-120-2800 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	42Vdc	-	.	2.8	CC, Isolated	Wet
MDC-120-3500 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	35Vdc	-	.	3.5	CC, Isolated	Wet
MDC-120-4550 X Y(a) (b)	Leads	100-277Vac	50/60	.	1.5	Non-isolated	27Vdc	-	.	4.55	CC, Isolated	Wet
MDC-150-2450 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	58Vdc	-	.	2.45	CC, Isolated	Wet
MDC-150-3150 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	49Vdc	-	.	3.15	CC, Isolated	Wet
MDC-150-3500 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	42Vdc	-	.	3.5	CC, Isolated	Wet
MDC-150-4550 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	35Vdc	-	.	4.55	CC, Isolated	Wet
MDC-185-0500 X Y(a) (b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	400Vdc	-	.	0.5	CC, Isolated	Wet


MDC-185-0700 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	286Vdc	-	.	0.7	CC, Isolated	Wet
MDC-185-1050 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	190Vdc	-	.	1.05	CC, Isolated	Wet
MDC-185-1400 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	143Vdc	-	.	1.4	CC, Isolated	Wet
MDC-185-3150 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	58Vdc	-	.	3.15	CC, Isolated	Wet
MDC-185-3850 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	49Vdc	-	.	3.85	CC, Isolated	Wet
MDC-185-4200 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	42Vdc	-	.	4.2	CC, Isolated	Wet
MDC-185-5250 X Y(a)(b)	Leads	100-277Vac	50/60	.	2.5	Non-isolated	35Vdc	-	.	5.25	CC, Isolated	Wet

[a] Identifies if the product itself has isolation between input and output based on the requirements of the standard. Output type (Non-isolated, Isolated, Class 2, LED Class 2) is designated based on the requirements that have been applied.

(a) - "X" can be A or B, where A represents non-dimming and B represents dimming option.

(b) - "Y" can be any character or blank, for marketing purpose only, no technical differences.



Marking: Company name, model designation and the Recognized Component Mark for Canada, .
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