



## CONFORMANCE TEST REPORT FOR EN 55015 / EN 61547

**Report No.: 14-03-RBO-018**

**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-080-2450**  
 Serial No: **MDC-080-0350, MDC-080-0700, MDC-080-1750, MDC-080-2100**  
 Comment Issues: **Darfon Electronics Corp.**  
 Manufacturer/supplier: **N/A**

Date test item received: 2014/03/03  
 Date test campaign completed: 2014/03/26  
 Date of issue: 2014/04/03

**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: 59 pages*

*Total number of pages of this test photos: 20 pages*



| Test Engineer   | Checked By      | Approved By     |
|-----------------|-----------------|-----------------|
| <br>Linyi Shian | <br>Licher Chen | <br>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:

- ① ISO9001: TÜV Product Service
- ② ISO/IEC 17025: BSMI, TAF, NCC, NVLAP, CCIBLAC, UL, Compliance
- ③ Filing: FCC, Industry Canada, VCCI
- ④ MRA: Australia, Hong Kong, New Zealand, Singapore, USA, Japan, Korea, China, APLAC through TAF
- ⑤ FCC Registration Number: 90588, 91094, 91095

**4.2.4 Surge Immunity Test:****4.2.4.1 Surge Immunity Test Data:**A. Operating Conditions of The EUT: Operation Mode

Test Date : Mar.13,2014

|                     |                                       |                                  |
|---------------------|---------------------------------------|----------------------------------|
| Test Specification  | IEC 61000-4-5                         |                                  |
| Climatic Condition  | Ambient Temperature: <u>25</u> °C     | Relative Humidity: <u>57</u> %RH |
|                     | Atmospheric Pressure: <u>990</u> mbar |                                  |
| Power Supply System | AC Power: <u>230</u> Vac <u>50</u> Hz |                                  |

**Test data see the next pages.**



| Waveform : 1.2/50µs(8/20µs)             |      | Repetition rate : <u>60</u> sec |            | Times : POWER <u>5</u> time/each condition |             |   |  |
|---|------|---------------------------------|------------|--|-------------|---|--|
| \Voltage \Mode \Polarity \Phase \Result |      | <b>0°</b>                       | <b>90°</b> | <b>180°</b>                                | <b>270°</b> |   |  |
| 0.5kV                                   | L-N  | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
| 1.0kV                                   | L-N  | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
| 5.0kV                                   | L-N  | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
| 0.5kV                                   | L-PE | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
|   | N-PE | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
| 1.0kV                                   | L-PE | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
|   | N-PE | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
| 2.0kV                                   | L-PE | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
|   | N-PE | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
| 10.0kV                                  | L-PE | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |
|   | N-PE | +                               | A          | A  | A           | A |  |
|   |      | -                               | A          | A  | A           | A |  |

|                     |  |  |
|---------------------|--|--|
| Result:             | <input checked="" type="checkbox"/> Complied | <input type="checkbox"/> Does not comply |
| Criterion Required: | <u>B</u>                                     | Criterion Met: <u>A</u>                  |

Note: “--” means the test could not be carried out.

“A” means the EUT’s function was correct normal performance during the test.