



CONFORMANCE TEST REPORT FOR EN 55015 / EN 61547

Report No.: **14-03-RBO-042**

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**

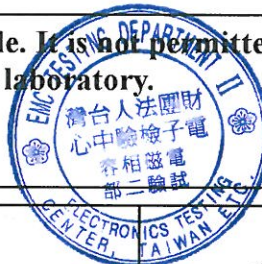
Client: **Darfon Electronics Corp.**
 Product: **LED Driver**
 Model: **MDC-120-4450**
 Serial No: **MDC-120-0350, MDC-120-0500, MDC-120-0700, MDC-120-1050, MDC120-1400, MDC-120-2450, MDC-120-2800, MDC-120-3500**
 Comment Issues: **N/A**
 Manufacturer/supplier: **Darfon Electronics Corp.**

Date test item received: 2014/03/07
 Date test campaign completed: 2014/04/24
 Date of issue: 2014/04/28

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



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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

4.1.10 Surge Immunity Test:**4.1.10.1 Surge Immunity Test Data:**A. Operating Conditions of The EUT: Operation Mode

Test Date : Apr. 22, 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 & POWER <u>1</u> time/each condition (for 5.0kV & 10.0kV)			
\Voltage \Mode \Polarity \Result		\Phase		0°	90°	180°	270°
0.5kV	L-N	+	A	A	A	A	A
		-	A	A	A	A	A
1.0kV	L-N	+	A	A	A	A	A
		-	A	A	A	A	A
5.0kV	L-N	+	A	A	A	A	A
		-	A	A	A	A	A
0.5kV	L-PE	+	A	A	A	A	A
		-	A	A	A	A	A
	N-PE	+	A	A	A	A	A
		-	A	A	A	A	A
1.0kV	L-PE	+	A	A	A	A	A
		-	A	A	A	A	A
	N-PE	+	A	A	A	A	A
		-	A	A	A	A	A
2.0kV	L-PE	+	A	A	A	A	A
		-	A	A	A	A	A
	N-PE	+	A	A	A	A	A
		-	A	A	A	A	A
10.0kV	L-PE	+	A	A	A	A	A
		-	A	A	A	A	A
	N-PE	+	A	A	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.