

ABC Marketing
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TEST REPORT 151110-3225952

Report Date: 10 November 2015
Test Component: ABC Marketing 3225952 Red 3-LED
ID lamp
Devices Tested: Three (3) each submitted 20 October 2015

Test Summary (FMVSS-108)

Photometric Tests – Identification Lamp Rear

SAE J592e (Identification Lamp Rear)	PASSED
Mechanical Tests per SAE J575e	PASSED
Vibration	PASSED
Moisture	PASSED
Thermal	PASSED
Durability	PASSED
LED Life	PASSED
Color (SAE J578c)	PASSED
Dimensional Tests	PASSED
Socket Tests per SAE J567b	Not Applicable
Dimensional Tests	PASSED

Signature of responsible engineer:



Gary I. Robin

DESCRIPTION SHEET

Device Name: ABC Marketing 3225952 Red 3-LED
ID lamp

Markings:

Lens: "DOT ISTP214
Housing: None

Lens Information:

Material: Polycarbonate (Red transparent)
Shape/Dimensions: 393 mm L x 31 mm W x 11mm H
Attachment Method: Vibration welded to body
Gasket: None

Housing:

Material: Polycarbonate (Black)
Shape/Dimensions: 393 mm L x 31 mm W x 17 mm H
Attachment Method: Vibration welded to lens
Gasket: 23 mm L x 20 mm W x 2 mm H

BULB	FUNCTION	QUANTITY	VOLTAGE
LED	P2 (Red)	3	14V

Note: lens complies with SAE J576 JUL 91 requirements as specified in FMVSS 108.

TEST RESULT SHEET

Device Name: ABC Marketing 3225952 Red 3-LED
ID lamp

Photometric Tests:

Specification(s): FMVSS-108 (SAE J592e)
Tests performed by: Gary I. Robin

Results: Meets requirements at all points for:
SAE J592e (Marker Lamp – P2)

Test distance: 100 feet

Photometry test voltage: 14.00V

Lens area requirements:

Lamp is an identification lamp.
Lens area requirements are not applicable.

Bulb socket requirements – SAE J567b:

The bulb socket requirements are not applicable because the lamp is a sealed unit.

TEST RESULT SHEET

Device Name: ABC Marketing 3225952 Red 3-LED
ID lamp

Mechanical tests: SAE J575e
Test performed by: Gary I. Robin
Sample: 3

Vibration test (Shock test).

There was no evidence of material physical weakness, lens or reflector rotation, displacement or rupture of components. LEDs were not damaged.

PASSED

Moisture Test:

Lamp had 0cc of moisture accumulation inside of its cavity (≤ 2 cc required).

PASSED

Dust Test:

No dust was found on the interior surfaces of the device. The maximum candlepower after external cleaning was at least 100% of the HV candlepower prior to exposure.

NOT REQUIRED

Corrosion Test:

There was no evidence of excessive corrosion which would affect the proper functioning of the device.

NOT REQUIRED

Thermal Test:

There was no evidence of reduced function from temperature or humidity.

PASSED

PASSED

Durability Test:

PASSED

LED Life Test:

Lamp is not blinking, blackening or shutting off after 1000 hrs.

PASSED

TEST DATA SHEET

Device Name: ABC Marketing 3225952 Red 3-LED
ID lamp

Test Item	Chroma Test per SAE J578C
Test Date	7/1/2015
Equipment	power Supply, chroma Meter
<p>Test Condition :</p> <p>1. 23~28° C</p> <p>2. Voltage: 14.00 V.</p>	
<p>Test Method :</p> <p>Mount specimen on tooling, chroma test at a distance of 1.5 m using CIE fixture.</p>	
<p>Determined Standard :</p> <p>$Y \leq 0.33$ (yellow boundary)</p> <p>$Y \geq 0.98 - X$ (purple boundary)</p>	
<p>Test Result :</p> <p>X=0.707 Y=0.293</p>	

Result: PASSED SAE J578C color test

By:

Gary I. Rubin

PHOTOMETRIC TEST DATA SHEET

Device Name: ABC Marketing 3225952 Red 3-LED
ID lamp

Sample number: 1

Specification:
SAE J592e (Red Clearance, ID or Sidemarker Lamp (P2))

Voltage: 14.0 V (Device tested after 30 minute warm-up)

Current: 20 mA

<u>LOCATION</u>	<u>MEASURED CP</u>	<u>REQUIRED MIN CP</u>	<u>MAX CP</u>
10U 45L	1.21	.25	15
10U V	9.91	.25	15
10U 45R	1.33	.25	15
H 45R	1.38	.25	15
H V	12.04	.25	15
H 45L	1.24	.25	15
10D 45L	1.25	.25	15
10D V	10.32	.25	15
10D 45R	1.32	.25	15
Zone 1	3.83	0.75	
Zone 2	32.27	0.75	
Zone 3	3.88	0.75	

Device meets SAE J592e P2 requirements at all points.

By:



Reviewed and approved for submittal by:

A handwritten signature in black ink that reads "Gary I. Robin". The signature is written in a cursive style with a large initial "G".

Gary I. Robin
Responsible Engineer

November 11, 2015