

Laboratory Service PHYSICAL TEST REPORT



R-Tech
Rue de Mons 3 – B-4000 Liège – Belgium
Tel.: +32 4 224 71 40 – Fax: +32 4 224 25 90
Member of Schröder Group

Subject: VOLTANA-0 / 6 led's / Moons PU025H105AQ 0-10V driver

Sample n°: P-E16371, P-E16375

Test purpose: Thermal test @ 1050 mA following IEC/EN 60598-1 Standard

Remarks:

Test request n°: P-D16541

Folder n°: P-F16041

TEST CONDITIONS:

Operator: CLOSSET Frédéric



Load: 6 Led's

Driver: Moon's PU025H105AQ_0-10V Series

Tc: 90°C

Working temperature: -40 ~ +60°C according
To datasheet.

Measurement device:

Yokogawa TX10: thermal measurement

Yokogawa WT 210: primary EM

Fluke 87: Led's EM

Junction Temperature measurement method

Junction temperature measurement by base temperature measurement and electrical measurement.

$$T^{\circ}_j = T^{\circ}_b + R_{jb} \times P_{led}$$

CONCLUSIONS:

Ta (IEC): 55 °C limited by Driver

Tq (IEC): 35 °C limited by Driver

Tq given for 100 khrs of lifetime

T° given without wind effect to comply with IEC 62722-2-1

Duplicate to: Mr M. Thijs

LAB 06/10/2016

L. Maghe

A handwritten signature in blue ink, appearing to read "L. Maghe".

//P-16CR541