# Laboratory Service PHYSICAL TEST REPORT



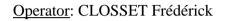
**R-Tech** Rue de Mons 3 – B-4000 Liège – Belgium Tel.: +32 4 224 71 40 – Fax: +32 4 224 25 90 Member of Schréder Group

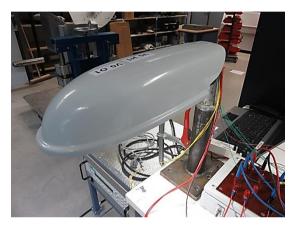
#### Subject: VOLTANA-0 / 6 led's / Moons PU025H105AQ 0-10V driver Sample n°: P-E16371, P-E16375

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

Remarks: <u>Test request n°</u>: P-D16541 <u>Folder n°</u>: P-F16041

## **TEST CONDITIONS:**





#### 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.  $T^\circ_{\ j}$  =  $T^\circ_{\ b}$  +  $R_{jb}$  x  $P_{led}$ 

## **CONCLUSIONS:**

Ta (IEC): 55 °C limited by Driver Tq (IEC): 35 °C limited by Driver

Tq given for 100 khrs of lifetime  $T^\circ$  given without wind effect to comply with IEC 62722-2-1

Duplicate to: Mr M. Thijs LAB 06/10/2016 L. Maghe

//P-16CR541

Load: 6 Led's

Driver: Moon's PU025H105AQ\_0-10V Series Tc: 90°C Working temperature: -40 ~ +60°C according To datasheet.