

Determination of thermal shock resistance degree LEDs ON @ 1A - Temperature set in the climatic chamber 40°C



Initial Visual Inspection

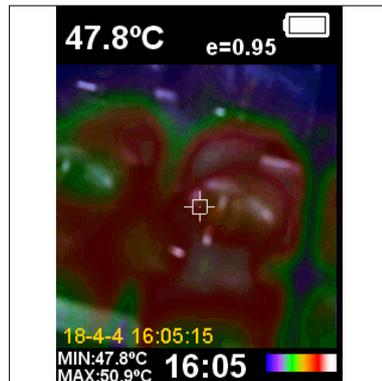
Before starting with testing, a visual inspection was performed in order to check the integrity of the part under test.

The part resulted physically intact.

Photo: the part in the climatic chamber.



Temperature set in the climatic chamber



Temperature detected on the part by IR thermal camera



Final Visual Inspection

After testing, a final visual inspection was performed. The result was positive. (view photo)

Photo: the part in the climatic chamber after testing.

The PLL12xxxSR test specimen, with 1A LEDs on, proved to overcome the thermal stress test up to 40°C, that is the temperature set in the climatic chamber.

Based on the testing results, no physical deterioration of the material occurred.