

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

Max-Eyth-Straße 1 · 74638 Waldenburg · Germany

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Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_WL-TMRC_20210123

Affected Series: 151031xxx

PCN Date: October 23, 2020

Effective Date: January 23, 2021

Change Category:

- Equipment / Location
 General Data
 Material
 Process
 Product Design
 Shipping / Packaging
 Supplier
 Software

Contact: Product Management

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Data Sheet Change:

Yes No

Attachment:

Yes No

DESCRIPTION AND PURPOSE OF CHANGE:

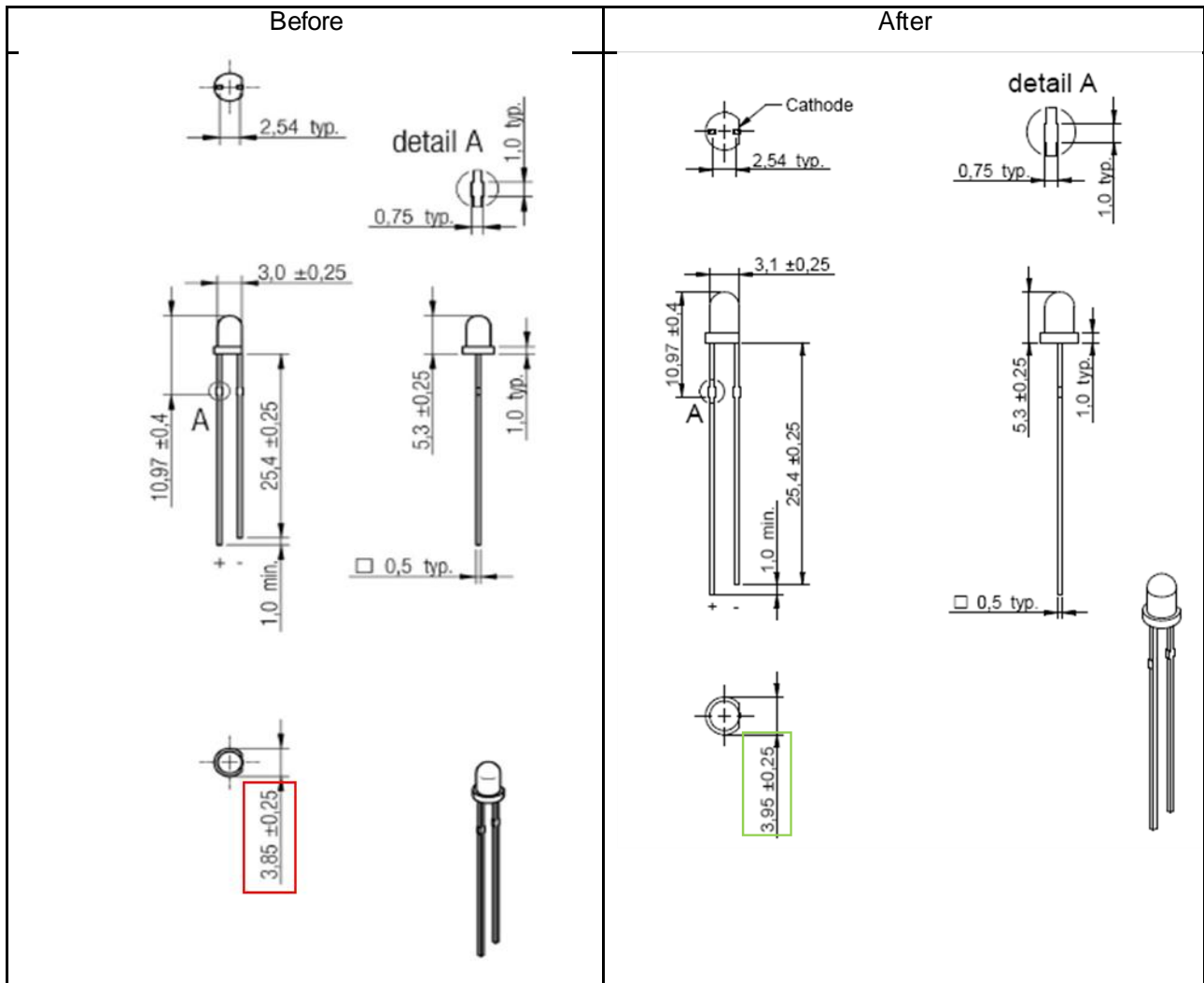
For improved performance of the lens shape, Würth Elektronik will change the dimension of the 3mm THT LED in the product family WL-TMRC. The electrical & optical parameter and material of products will not change.

Products after the product change with the effective date of January 23, 2021 are available with the date code from 2020-11-15

There will be no change in fit, function, quality or reliability of the product.

DETAIL OF CHANGE:

1. Product dimension



RELIABILITY / QUALIFICATION SUMMARY:

Product approval is according to the specification and is internally released by the Product Management Department.

No.	Test	Qty	Reference	Test conditions
1	Reflow test	30	Internal Reflow Profile according to J-STD-020C	Unsoldered WE Reflow Profile: (at least 3 times must be passed) Peak: TP +5°C Conditions: Preheat: 150-200°C (max 120s) Liquidus temperature: 217°C (max 60s) Peak Temperature: 250°C (10s +/-2s)

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2	Life-span in high temperature	30	Internal Spec.	Dehumidification in 125 °C for 2 hours 30 mins @ 25°C Measurement: 1,2,3,4,5 On board for 1 time Reflow Test conditions: Forward current: 30mA @ 125°C in 96h
3	Thermal Shock	30	MIL-STD-202 Method 107	Temperature: -40°C/+125°C or individual specified operating temperature Dwell time: 30 minutes. Cycles: 40 Transfer time: max. 20s
4	ESD Characterization	30	AEC - Q101-001 Rev-A.	2000V for AlInGaP 1000V for InGaN forward pulse: 3 times reversed pulse: 3 times pulse width: 1 second