

Würth Elektronik eiSos GmbH &amp; Co. KG

EMC &amp; 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-SMTW\_20200602

**Affected Series:** WL-SMTW\_150224xx73100

**PCN Date:** March 02, 2020

**Effective Date:** June 02, 2020

### 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:

In order to improve lead times and capability, Würth Elektronik will implement additional production line.

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

All applicable products with date code 2020-05-01 or later, will be affected by the following changes.

### DETAIL OF CHANGE:

Neither quality, electrical nor mechanical properties of the parts will be changed. No datasheet change.

All dimensions and standard packaging quantity will remain the same.

Production lines can be identified by the first three digits of the lot number **XXX** XX XXX XXXX XXX.

#### Lot No. of established production line:

Lot number starting with 384

Country of Origin: Korea

#### Lot No. of additional production line:

Lot number starting with 278

Country of Origin: China

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**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)
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
5	Vibration	30	MIL-STD-202 Method 204	20g's for 20 minutes, 12 cycles each of 3 orientations. Note: Use 100mm x 160mm x 1,5mm PCB-Board. Test from 25-2000 Hz.