

Würth Elektronik eiSos GmbH &amp; Co. KG

EMC &amp; Inductive Solutions

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## Product / Process Change Notification (PCN)

- Major change  
 Minor change

**PCN #:** PCN\_WL-SMTW\_20210303  
**Affected Series:** WL-SMTW\_3020;150302xx7310x  
**PCN Date:** December 03, 2020  
**Effective Date:** March 03, 2021

### Change Category:

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

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### Data Sheet Change:

- Yes  No

### Attachment:

- Yes  No

### DESCRIPTION AND PURPOSE OF CHANGE:

To meet current customer demands, Würth Elektronik will change the maximal forward current from 20mA to 30mA

All products will be affected by this change.

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

### DETAIL OF CHANGE:

Before					After				
<b>Absolute Maximum Ratings (Ambient Temperature 25°C):</b>					<b>Absolute Maximum Ratings (Ambient Temperature 25°C):</b>				
Properties		Test conditions	Value	Unit	Properties		Test conditions	Value	Unit
Power Dissipation	$P_{Diss}$		48	mW	Power Dissipation	$P_{Diss}$		72	mW
Peak Forward Current	$I_{F Peak}$	duty/ 10 @ 1 kHz	100	mA	Peak Forward Current	$I_{F Peak}$	duty/ 10 @ 1 kHz	100	mA
Continuous Forward Current	$I_F$		20	mA	Continuous Forward Current	$I_F$		30	mA
Reverse Voltage	$V_{REV}$		5	V	Reverse Voltage	$V_{REV}$		5	V
ESD Threshold/ Human Body Model	$V_{ESD HBM}$		2000	V	ESD Threshold/ Human Body Model	$V_{ESD HBM}$		2000	V

### RELIABILITY / QUALIFICATION SUMMARY:

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

No.	Test	Qty	Reference	Test conditions
1	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