

Würth Elektronik eiSos GmbH & Co. KG

EMC & 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

Contact: Product Management
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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				
Absolute Maximum Ratings (Ambient Temperature 25°C):					Absolute Maximum Ratings (Ambient Temperature 25°C):				
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