

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-SMSW\_20191218  
**Affected Series:** WL-SMSW\_155124xx73200A

**PCN Date:** November 18, 2019  
**Effective Date:** December 18, 2019

### 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

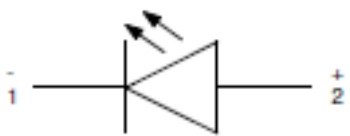
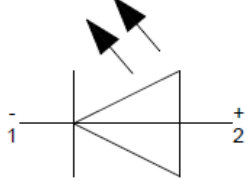
### DESCRIPTION AND PURPOSE OF CHANGE:

Because of a database mismatch, Würth Elektronik corrected in the datasheet the parameter ESD (HBM) from 200V to 2000V.

Additional we updated the information of the max. junction temperature and namely 115°C; the drawing of schematic according to IEC 60617 / 2018.

The components themselves didn't change. There will be no change in form, fit, function, quality or reliability of the product.

**DETAIL OF CHANGE:**

Before					After																																																																					
<b>Absolute Maximum Ratings (Ambient Temperature 25°C):</b> <table border="1"> <thead> <tr> <th>Properties</th> <th></th> <th>Test conditions</th> <th>Value</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>Power Dissipation</td> <td><math>P_{DISS}</math></td> <td></td> <td>48</td> <td>mW</td> </tr> <tr> <td>Peak Forward Current</td> <td><math>I_{F, PEAK}</math></td> <td>duty/ 10 @ 1 kHz</td> <td>40</td> <td>mA</td> </tr> <tr> <td>Continuous Forward Current</td> <td><math>I_F</math></td> <td></td> <td>20</td> <td>mA</td> </tr> <tr> <td>Reverse Voltage</td> <td><math>V_{REV}</math></td> <td></td> <td>5</td> <td>V</td> </tr> <tr> <td>ESD Threshold/ Human Body Model</td> <td><math>V_{ESD, HBM}</math></td> <td></td> <td>200</td> <td>V</td> </tr> </tbody> </table>					Properties		Test conditions	Value	Unit	Power Dissipation	$P_{DISS}$		48	mW	Peak Forward Current	$I_{F, PEAK}$	duty/ 10 @ 1 kHz	40	mA	Continuous Forward Current	$I_F$		20	mA	Reverse Voltage	$V_{REV}$		5	V	ESD Threshold/ Human Body Model	$V_{ESD, HBM}$		200	V	<b>Absolute Maximum Ratings (Ambient Temperature 25°C):</b> <table border="1"> <thead> <tr> <th>Properties</th> <th></th> <th>Test conditions</th> <th>Value</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>Power Dissipation</td> <td><math>P_{DISS}</math></td> <td></td> <td>48</td> <td>mW</td> </tr> <tr> <td>Peak Forward Current</td> <td><math>I_{F, PEAK}</math></td> <td>duty/ 10 @ 1 kHz</td> <td>30</td> <td>mA</td> </tr> <tr> <td>Continuous Forward Current</td> <td><math>I_F</math></td> <td></td> <td>20</td> <td>mA</td> </tr> <tr> <td>Reverse Voltage</td> <td><math>V_{REV}</math></td> <td></td> <td>5</td> <td>V</td> </tr> <tr> <td>ESD Threshold/ Human Body Model</td> <td><math>V_{ESD, HBM}</math></td> <td></td> <td>2000</td> <td>V</td> </tr> <tr> <td>Junction Temperature</td> <td><math>T_J</math></td> <td></td> <td>115</td> <td>°C</td> </tr> </tbody> </table>					Properties		Test conditions	Value	Unit	Power Dissipation	$P_{DISS}$		48	mW	Peak Forward Current	$I_{F, PEAK}$	duty/ 10 @ 1 kHz	30	mA	Continuous Forward Current	$I_F$		20	mA	Reverse Voltage	$V_{REV}$		5	V	ESD Threshold/ Human Body Model	$V_{ESD, HBM}$		2000	V	Junction Temperature	$T_J$		115	°C
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**RELIABILITY / QUALIFICATION SUMMARY:**

There will be no change of the product, therefore no additional reliability or qualification testing will be performed