

December 1, 2017

## PCN

### Automatic production line for EPCOS NTC ICLs in Zhuhai

In order to expand the production capacity of EPCOS NTC ICLs and further standardize production, an automatic reel line is being installed in the plant in Zhuhai, China. The following series produced in a semi-automatic strip line will then be transferred to the new line.

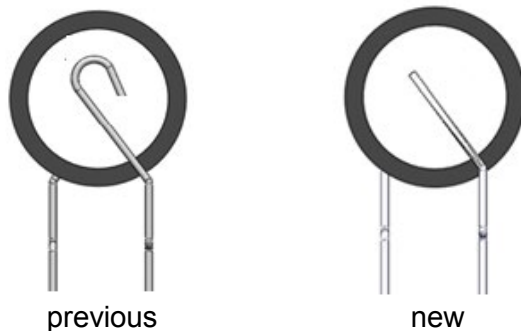
#### Affected products

Ordering code
B57234S*
B57237S*
B57238S*
B57364S*

The new configuration involves:

- Automation of wire-forming, soldering, coating, testing, marking and packing production steps.
- Change of the loop kink termination design from bent to straight.

Figure: Loop kink design



Scheduled date of introduction: March 8, 2018

This change has no impact on form, fit, function, quality, reliability and lead time of the affected products.

During a transitional period, NTC ICLs from both the previous and new production line may be shipped within a single shipment.

**Enclosure** PCN (ID No. PPD14/T122)

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**Customers are asked to address inquiries directly to their sales contacts.**

**EPCOS AG** · A TDK Group Company

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## Product / Process Change Notification

<b>1. ID No.:</b> PPD14/T122		<b>2. Date of announcement:</b> December 1, 2017	
<b>3. Product / product group:</b> EPCOS NTC ICLs	<b>Old ordering code:</b> B57234S* B57237S* B57238S* B57364S*	<b>New ordering code:</b> No change	<b>Customer part number:</b>
<b>4. Description of change:</b> <p>In order to expand production capacity and standardize production, we are installing another automatic reel line in Zhuhai, China. The above-mentioned series, which is to date produced in a semi-automatic strip line, will then be transferred to the new line. This involves the following changes:</p> <ul style="list-style-type: none"> <li>- Automation of wire-forming, soldering, coating, testing, marking and packing production steps.</li> <li>- Removal of the loop kink.</li> </ul> <p>These automated processes are already well-established for NTC inrush current limiters S153/S235/S236 and the P11/P13 series.</p>			
<b>5. Effect on the product or for the customer (benefit, quality, specification, lead time):</b> <p>There will be no impact on form, fit, function, reliability and lead time. We are continually improving the quality of our products and services with our Quality Management (QM) system and within the scope of our zero-defect strategy.</p>			
<b>6. Quality assurance measures / risk assessment:</b> <p>The plant in Zhuhai, China, is certified according to ISO/TS 16949 and ISO 9001:2008. Production release in conformance with ISO/TS 16949.</p>			
<b>7. Scheduled date of change:</b> March 8, 2018			
<b>8. Estimated date of first delivery of changed product:</b> March 8, 2018 <p>If EPCOS does not receive notification to the contrary within a period of 10 weeks, EPCOS assumes that the customer agrees to the change. For an interim period we cannot rule out that old as well as new products will be shipped.</p>			
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Name Markus Weiglhofer		signed Markus Weiglhofer	
Product Marketing		Signature	
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<b>Customer feedback</b>	
Customer acknowledgement	Signature