

October 30, 2019

## PCN

### New automated front-end production line in Málaga

A new front-end automation line for EPCOS PEC HP capacitors is being introduced at our plant in Málaga, Spain. This line has been developed and released according to TDK's internal quality procedures based on IATF 16949 and ISO/TS 22163.

#### Affected products

Ordering code	Type
B25610*	MKK-HP
B25640*	MKK-DCR/DCiR
B25650*	MKK-DC
B25655A* B25655C* B25655D*	PCC HP
B25750H* B25750I*	MKK-DCi/H

Scheduled date of change: February 10, 2020  
(or earlier, with written approval by the customer)

Estimated date of first deliveries: February 17, 2020

The change will have no effects on the specified electrical and mechanical parameters. Increased automation of production for certain process steps, including front-end, will result in shorter lead times.

The new process helps protect the environment by reducing metal waste.

**Enclosure** PCN (ID No. FILM P19-20)

**Contact** Victor Alcaide, CAP PM FILM P, Málaga

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

#### TDK Electronics AG

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Management Board: Joachim Zichlarz, Chairman · Joachim Thiele · Dr. Werner Lohwasser  
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#### Power Capacitors

Internal / External

191030PC1e

## Product / Process Change Notification

<b>1. ID No.</b> FILM P19-20		<b>2. Date of announcement</b> October 30, 2019	
<b>3. Product / product group</b> EPCOS PEC HP capacitors	<b>Old ordering code</b> B25610* B25640* B25650* B25655A/C/D* B25750H/I*	<b>New ordering code</b> No change	<b>Customer part number</b> No change
<b>4. Description of change</b> New front end automation line to be implemented in Málaga plant, from winding to metal spray process.			
<b>5. Effect on the product or for the customer (benefit, quality, specification, lead time)</b> This change has no effect on the performance of the capacitors. The change will have no effects on the specified electrical and mechanical parameters. The benefit is a reduction in the human factor with more automation in production for different process steps included in the front end and a consequent reduction of lead times. The new process aids environmental protection, metal deposition is optimized, reducing metal waste. Wound element surface will be completely covered with metal spray.			
<b>6. Quality assurance measures / risk assessment</b> New process released acc. to the internal quality TDK procedures based on IATF 16949 and ISO/TS 22163.			
<b>7. Scheduled date of change</b> February 10, 2020, unless customer signs this document in advance, implying acceptance of implementation of the change prior to the scheduled date.			
<b>8. Estimated date of first delivery of changed product</b> February 17, 2020 If TDK Electronics AG does not receive notification to the contrary within a period of 10 weeks, TDK Electronics AG assumes that the customer agrees to the change. <input type="checkbox"/> For an interim period we cannot rule out that old as well as new products will be shipped. <input checked="" type="checkbox"/> Future shipments can consist of old and new products as the new changed product is used as an alternative to the old product.			
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Product Marketing Name Victor Alcaide Tel. +34 952648 312 E-mail victor.alcaide@tdk-electronics.tdk.com		Signature Signed Alcaide	
<b>Customer feedback</b>			
<b>Customer acknowledgement</b>		Signature	