

July 12, 2019

## PCN

### **EPCOS low voltage capacitors with screw terminals without the additive NMP**

Beginning February 2020 EPCOS low-voltage aluminum electrolytic capacitors with screw terminals produced in Szombathely, Hungary, will be shipped without the additive N-Methyl-2-pyrrolidone (NMP; CAS 872-50-4) in the electrolyte system.

NMP, which is used as an additive to the solvents in some low-voltage electrolytes, is included in the list of restricted substances in Annex XVII to REACH Regulation (EC) No. 1907/2006. After May 2020 special authorization is required to process this substance in Europe.

#### **Affected products**

Ordering code
B41550*4*
B41550*5*
B41550*7*
B41550*8*
B41554*4*
B41554*5*
B41554*7*
B41554*8*
B41570*4*
B41570*5*
B41570*7*
B41570*8*

Scheduled date of introduction: February 1, 2020

The data sheets may be downloaded under [www.tdk-electronics.tdk.com/en/alu\\_screw](http://www.tdk-electronics.tdk.com/en/alu_screw)

**Enclosure** PCN (ID No. ALU\_CAP\_27\_2019\_18)

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

#### **TDK Electronics AG**

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**Aluminum Electrolytic  
Capacitors**  
Internal / External

190712AL1e

## Product / Process Change Notification

<b>1. ID No.:</b> ALU_CAP_27_2019_18		<b>2. Date of announcement:</b> July 12, 2019	
<b>3. Product / product group:</b> EPCOS ALU screw terminal low voltage series up to 63 V produced in Szombathely	<b>Old ordering code:</b> B41550* B41554* B41570*	<b>New ordering code:</b> unchanged	<b>Customer part number:</b>
<b>4. Description of change:</b> Elimination of N-Methyl-2-pyrrolidone (NMP; CAS 872-50-4) in the electrolyte system. NMP, which is used as an additive to the solvent system in some low-voltage electrolytes, is included in REACH (REGULATION (EC) No 1907/2006) annex XVII restricted substances. After May 2020 special authorization is required to process this substance in Europe. NMP was introduced years ago to improve the solubility and to speed up the mixing process of the electrolyte. In the last years the electrolyte mixing process and the equipment was step by step improved and with the new systems with a controlled stirring, heating and cooling, this additive is not necessary anymore.			
<b>5. Effect on the product or for the customer (benefit, quality, specification, lead time):</b> no effect			
<b>6. Quality assurance measures / risk assessment:</b> no effect			
<b>7. Scheduled date of change:</b> February 1, 2020			
<b>8. Estimated date of first delivery of changed product:</b> February 1, 2020 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.			
Quality Management Name Anja Kalmes		Signature signed Kalmes	
Product Marketing Name Martina Auer Tel. +49 89 54020 2363 Email Martina.Auer@tdk-electronics.tdk.com		Signature signed Auer	

<b>Customer feedback</b>	
Customer acknowledgement	Signature