

October 20, 2023

## PCN

### Medium-frequency welding for A81 and N81 series of 2-electrode arresters

The medium-frequency (MF) welding technology has now been qualified and internally approved for the A81 and N81 series of EPCOS 2-electrode surge arresters manufactured in Johor Bahru, Malaysia. With the MF welding technology, production capacity will be increased, and the delivery lead time will be shortened.

#### Affected products

Ordering code	Type
B88069X1380S102	A81-C90X
B88069X2800T502	A81-A600XDG
B88069X2850C103	A81-C600X
B88069X2870T502	A81-C600XG
B88069X2880S102	A81-A600X
B88069X2880T502	A81-A600X
B88069X2980T502	A81-A600XG
B88069X3601S102	A81-C390XZ
B88069X3840T502	A81-C90XG
B88069X4880S102	N81-A90X
B88069X5030T502	N81-A90XG

This PCN does not affect the A81 and N81 series from the plant in Xiaogan, China, as both MF and pulse welding are already in use there.

The MF welding technology was introduced more than 13 years ago at the Johor Bahru, Malaysia, and Xiaogan, China, plants.

#### TDK Electronics AG

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 Chairman of the Supervisory Board: Joachim Zichlarz  
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#### PPD

**Surge Arresters**  
 Internal / External

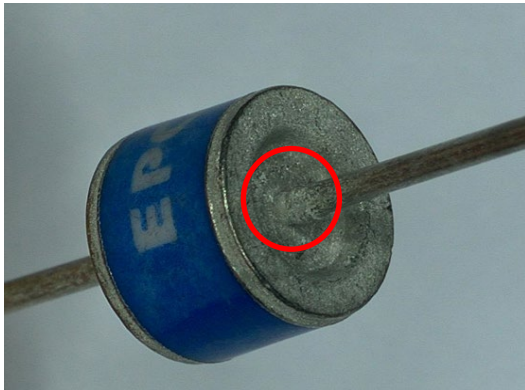
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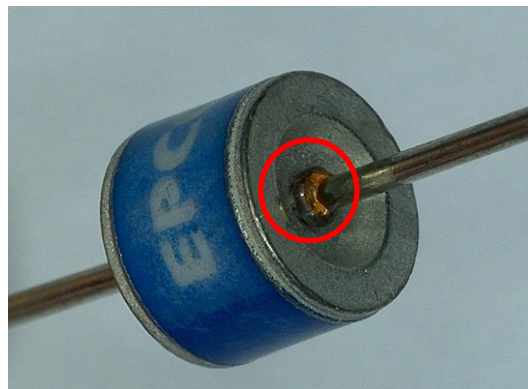
### **New appearance of welding joint**

There is a difference in the appearance of the welding joint between the old and the new welding technology, but there will be no change in dimensions, function, quality or reliability of the affected products. Consequently, the established control plans and initial inspections will not be changed. All quality assurance measures will be maintained.

Old welding joint



New welding joint



Scheduled date of change: February 1, 2024  
Estimated date of first deliveries: February 1, 2024  
(or earlier, with written approval by the customer)

Samples are available on request.

**Enclosure** PCN (ID No. PPD007/ T128)

**Contact** Wong Huan Chee, PPD AB PM, Johor Bahru

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

## Product / Process Change Notification

<b>1. ID No.</b> PPD007/ T128		<b>2. Date of announcement</b> October 20, 2023	
<b>3. Product / product group</b> A81 and N81 series of EPCOS surge arresters	<b>Old ordering code</b> see UPtoDATE	<b>New ordering code</b> No change	<b>Customer part number</b> NA
<b>4. Description of change</b> The medium-frequency (MF) welding technology has now been qualified and internally approved for the A81 and N81 series of EPCOS 2-electrode surge arresters manufactured in Johor Bahru, Malaysia.			
<b>5. Effect on the product or for the customer (benefit, quality, specification, lead time)</b> There is a difference in the appearance of the welding joint between the old and the new welding technology, but there will be no change in dimensions, function, quality or reliability of the affected products. With the MF welding technology, production capacity will be increased and the delivery lead time will be shortened.			
<b>6. Quality assurance measures / risk assessment</b> The qualification was successfully performed according to IATF 16949 requirements. The investigations for internal release showed no effects on the mechanical characteristics as a consequence of the change described in item 4. The established control plans will consequently not be changed. All quality assurance measures will be maintained. Samples are available on request.			
<b>7. Scheduled date of change</b> February 1, 2024			
<b>8. Estimated date of first delivery of changed product</b> February 1, 2024 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 checked="" 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.			
Quality Management Name Johann Reiterer		Signature Signed Reiterer	
Product Marketing Name Wong Huan Chee Tel. +607 3566 666 E-mail huanchee.wong@tdk.com		Signature Signed Wong	

### Customer feedback

### Customer acknowledgement

Signature