

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\_PD\_20220610  
**Affected Series:** WE-PD; 7447789xxx  
 WE-PD; 7447779xxx

**PCN Date:** March 10, 2022  
**Effective Date:** June 10, 2022

### 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:

To improve the processability, Würth Elektronik will change the winding style and wire diameter for following articles

- 7447789002
- 7447789004
- 7447789006
- 7447779112
- 7447779239

All products with date code 2022-05-03 or later, will be affected by this change.

There will be no change in form, fit, quality or reliability of the product.

### DETAIL OF CHANGE:

The winding style for the part numbers 7447789002, 7447789004 and 7447789006 will be changed from quadfilar to bifilar winding.

The wire diameter for the part numbers 7447779112 and 7447779239 will be adjusted. Winding style will remain the same.

The electrical specification in the datasheet will be affected like in the table below.

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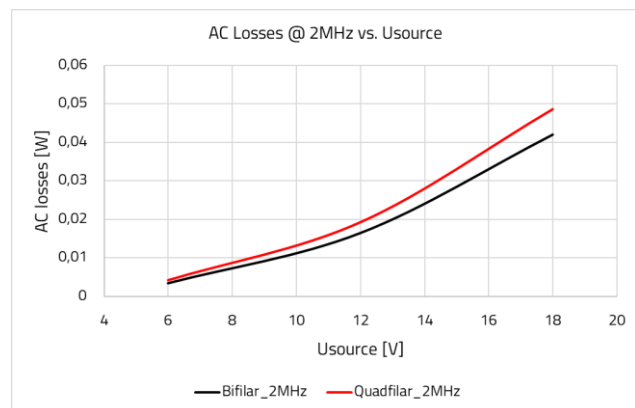
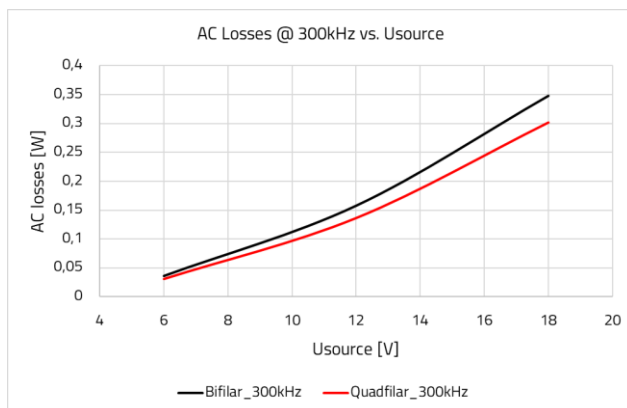
	<i>Before change</i>		<i>After change</i>	
	RDC typ (mΩ)	RDC max (mΩ)	RDC typ (mΩ)	RDC max (mΩ)
7447789002	19	23	20	25
7447789004	33	35	33	39
7447789006	42	44	42	50
7447779112	50	58	52	62
7447779239	1400	2850	1400	2850

The mechanical specification won't be affected.

The change will also affect the AC loss behavior of the articles. The impact is dependent on the end application in which the product is used.

Below 2 Graphics are a reference of how the AC loss can be affected by different operating frequency.

Part number 7447789004



#### RELIABILITY / QUALIFICATION SUMMARY:

Product approval is according to the specification and is internally released by the Product Management Department.

Following tests have been performed

- External Visual (according to MIL-STD-883 Method 2009)
- Physical Dimension (according to JESD22 Method JB-100)
- Electrical Characterization (according to internal standard)