



Product Change Notification (PCN)

This document applies to all companies and branches of the Würth Elektronik eiSos Group.

- ☒ Major Change
☐ Minor Change

PCN Number: PCN_RFMK_20260930 Affected Series: WE-MK Affected Part Number: see table "PART NUMBER, REVISION & DATASHEET" PCN Date: 2026-06-30 (YYYY-MM-DD) Effective Date: 2026-09-30 (YYYY-MM-DD)	Change Category: ☐ Equipment/Location ☒ General Data ☐ Material ☐ Process ☐ Product Design ☐ Shipping/Packaging ☐ Supplier ☐ Software
Contact: Product Management Phone: +49 (0) 7942 - 945 5001 Fax: +49 (0) 7942 - 945 5179 E-Mail: pcn.eisos@we-online.com	Datasheet Change: ☒ Yes ☐ No Attachment: ☐ Yes ☒ No

DESCRIPTION OF CHANGE:

In line with internal standardization, Würth Elektronik will update the datasheet of WE-MK. The specified electrical parameters: Rated current and DC Resistance will be updated in course of new internal measuring methods.

Additionally, in order to enhance the information provided in the datasheets, Würth Elektronik eiSos will include an additional electrical parameters like typical Self resonant frequency and typical Quality factor in the datasheet.

This is a datasheet update only. There will be no change in form, fit, function, quality or reliability of the product.

The preliminary datasheets of the affected part numbers which are available in the online catalogue will be available on the website after the PCN date. Link to the website: [WE-MK](#)



PART NUMBER, REVISION & DATASHEET:

Size: 0201		
Part Number:	Revision before change:	Revision after change:
7447820010	002.000	003.000
7447820012	002.000	003.000
7447820015	002.000	003.000
7447820018	002.000	003.000
7447820020	002.000	003.000
7447820022	002.000	003.000
7447820024	002.000	003.000
7447820027	002.000	003.000
7447820030	002.000	003.000
7447820033	002.000	003.000
7447820036	002.000	003.000
7447820039	002.000	003.000
7447820043	002.000	003.000
7447820047	002.000	003.000
7447820051	002.000	003.000
7447820056	002.000	003.000
7447820062	002.000	003.000
7447820068	002.000	003.000
7447820075	002.000	003.000
7447820082	002.000	003.000
7447820091	002.000	003.000
7447820110	002.000	003.000
7447820112	002.000	003.000
7447820115	002.000	003.000
7447820118	002.000	003.000
7447820122	002.000	003.000
7447820127	002.000	003.000
7447820133	002.000	003.000



Size: 0201G		
Part Number:	Revision before change:	Revision after change:
7447820010G	002.000	003.000
7447820012G	002.000	003.000
7447820015G	002.000	003.000
7447820018G	002.000	003.000
7447820020G	002.000	003.000
7447820022G	002.000	003.000
7447820024G	002.000	003.000
7447820027G	002.000	003.000
7447820030G	002.000	003.000
7447820033G	002.000	003.000
7447820036G	002.000	003.000
7447820039G	002.000	003.000
7447820043G	002.000	003.000
7447820047G	002.000	003.000
7447820051G	002.000	003.000
7447820056G	002.000	003.000
7447820062G	002.000	003.000
7447820068G	002.000	003.000
7447820075G	002.000	003.000
7447820082G	002.000	003.000
7447820091G	002.000	003.000
7447820110G	002.000	003.000
7447820112G	002.000	003.000
7447820115G	002.000	003.000
7447820118G	002.000	003.000
7447820122G	002.000	003.000
7447820127G	002.000	003.000
7447820133G	002.000	003.000



Size: 0402		
Part Number:	Revision before change:	Revision after change:
7447840010	002.000	003.000
7447840012	002.000	003.000
7447840015	002.000	003.000
7447840018	002.000	003.000
7447840020	002.000	003.000
7447840022	002.000	003.000
7447840027	002.000	003.000
7447840030	002.000	003.000
7447840033	002.000	003.000
7447840036	002.000	003.000
7447840039	002.000	003.000
7447840047	002.000	003.000
7447840056	002.000	003.000
7447840068	002.000	003.000
7447840075	002.000	003.000
7447840082	002.000	003.000
7447840110	002.000	003.000
7447840112	002.000	003.000
7447840115	002.000	003.000
7447840118	002.000	003.000
7447840122	002.000	003.000
7447840127	002.000	003.000
7447840133	002.000	003.000
7447840139	002.000	003.000
7447840147	002.000	003.000
7447840156	002.000	003.000
7447840168	002.000	003.000
7447840182	002.000	003.000
7447840210	002.000	003.000
7447840212	002.000	003.000
7447840215	002.000	003.000
7447840218	002.000	003.000



7447840222	002.000	003.000
7447840227	002.000	003.000
Size: 0402G		
Part Number:	Revision before change:	Revision after change:
7447840010G	002.000	003.000
7447840012G	002.000	003.000
7447840015G	002.000	003.000
7447840018G	002.000	003.000
7447840020G	002.000	003.000
7447840022G	002.000	003.000
7447840027G	002.000	003.000
7447840030G	002.000	003.000
7447840033G	002.000	003.000
7447840039G	002.000	003.000
7447840047G	002.000	003.000
7447840056G	002.000	003.000
7447840068G	002.000	003.000
7447840075G	002.000	003.000
7447840082G	002.000	003.000
7447840110G	002.000	003.000
7447840112G	002.000	003.000
7447840115G	002.000	003.000
7447840118G	002.000	003.000
7447840122G	002.000	003.000
7447840127G	002.000	003.000
7447840133G	002.000	003.000
7447840139G	002.000	003.000
7447840147G	002.000	003.000
7447840156G	002.000	003.000
7447840168G	002.000	003.000
7447840182G	002.000	003.000
7447840210G	002.000	003.000
7447840212G	002.000	003.000
7447840215G	002.000	003.000



7447840218G	002.000	003.000
7447840222G	002.000	003.000
7447840227G	002.000	003.000
Size: 0805		
Part Number:	Revision before change:	Revision after change:
7447880015	001.000	002.000
7447880027	001.000	002.000
7447880047	001.000	002.000
7447880056	001.000	002.000
7447880068	001.000	002.000
7447880082	001.000	002.000
7447880110	001.000	002.000
7447880127	001.000	002.000
7447880133	001.000	002.000
7447880156	001.000	002.000
7447880210	001.000	002.000
7447880212	001.000	002.000
7447880222	001.000	002.000
7447880247	001.000	002.000

Note: the links in the table above remain valid until the effective.

DETAILS OF CHANGE:

Before Change						After Change																																																																																									
Electrical Properties: <table><tr><th>Properties</th><th></th><th>Test conditions</th><th>Value</th><th>Unit</th><th>Tol.</th></tr><tr><td>Inductance</td><td>L</td><td>100 MHz</td><td>1</td><td>nH</td><td>±0.3nH</td></tr><tr><td>Q-Factor</td><td>Q</td><td>100 MHz</td><td>8</td><td></td><td>min.</td></tr><tr><td>DC Resistance</td><td>R_{DC}</td><td>@ 20 °C</td><td>0.1</td><td>Ω</td><td>max.</td></tr><tr><td>Rated Current</td><td>I_R</td><td>ΔT = 20 K</td><td>300</td><td>mA</td><td>max.</td></tr><tr><td>Self Resonant Frequency</td><td>f_{res}</td><td></td><td>8000</td><td>MHz</td><td>min.</td></tr></table>						Properties		Test conditions	Value	Unit	Tol.	Inductance	L	100 MHz	1	nH	±0.3nH	Q-Factor	Q	100 MHz	8		min.	DC Resistance	R _{DC}	@ 20 °C	0.1	Ω	max.	Rated Current	I _R	ΔT = 20 K	300	mA	max.	Self Resonant Frequency	f _{res}		8000	MHz	min.	Electrical Properties: <table><tr><th>Properties</th><th></th><th>Test conditions</th><th>Value</th><th>Unit</th><th>Tol.</th></tr><tr><td>Inductance</td><td>L</td><td>100 MHz</td><td>1</td><td>nH</td><td>±0.3nH</td></tr><tr><td>Q-Factor</td><td>Q</td><td>100 MHz</td><td>8</td><td></td><td>min.</td></tr><tr><td>Q-Factor</td><td>Q</td><td>900 MHz</td><td>30</td><td></td><td>typ.</td></tr><tr><td>DC Resistance</td><td>R_{DC}</td><td>@ 20 °C</td><td>0.07</td><td>Ω</td><td>max.</td></tr><tr><td>Rated Current</td><td>I_R</td><td>ΔT = 20 K</td><td>1500</td><td>mA</td><td>max.</td></tr><tr><td>Self Resonant Frequency</td><td>f_{res}</td><td></td><td>8000</td><td>MHz</td><td>min.</td></tr><tr><td>Self Resonant Frequency</td><td>f_{res}</td><td></td><td>12000</td><td>MHz</td><td>typ.</td></tr></table>						Properties		Test conditions	Value	Unit	Tol.	Inductance	L	100 MHz	1	nH	±0.3nH	Q-Factor	Q	100 MHz	8		min.	Q-Factor	Q	900 MHz	30		typ.	DC Resistance	R _{DC}	@ 20 °C	0.07	Ω	max.	Rated Current	I _R	ΔT = 20 K	1500	mA	max.	Self Resonant Frequency	f _{res}		8000	MHz	min.	Self Resonant Frequency	f _{res}		12000	MHz	typ.
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RELIABILITY / QUALIFICATION OF CHANGE:

An additional reliability testing was performed and approved.

Qualification according to AEC-Q200 RevE table 5.

Additional details of the tests can be found in the table below:

Test Item	Sample size	Reference	Test conditions	Acceptance
High Temperature Operational Life	77	MIL-STD-202-108	Preconditioning: Reflow 3 passes required 105 °C, 1000 h, Rated current according to datasheet	Approved
Electrical Characterization	77	User Spec.	Measure electrical property @ Room Temperature, 125 °C, -55 °C.	Approved