



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_IndHCM_20261110 Affected Series: WE-HCM Affected Part Number: see table "PART NUMBER, REVISION & DATASHEET" PCN Date: 2026-08-10 (YYYY-MM-DD) Effective Date: 2026-11-10 (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:

Due to datasheets standardizations, Würth Elektronik eiSos is updating the internal measurements to ensure alignment with the company's current specifications.

This is a datasheet correction only. There will be no change in fit, form, 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-HCM](#)

PART NUMBER, REVISION & DATASHEET:

Part Number	Revision before change	Revision after change
744300006	003.000	004.000
744300008	003.000	004.000
744300010	003.000	004.000
744300015	003.000	004.000
744300022	003.000	004.000
744301025	005.000	006.000
744301033	005.000	006.000



744301047	005.000	006.000
744302007	005.000	006.000
744302010	005.000	006.000
744302015	005.000	006.000
744303012	005.000	006.000
744303015	005.000	006.000
744303022	005.000	006.000
744303033	002.000	003.000
744304010	004.000	005.000
744304016	004.000	005.000
744304022	004.000	005.000
744305022	004.000	005.000
744305033	004.000	005.000
744305040	004.000	005.000
744306020	004.000	005.000
744306025	004.000	005.000
744306030	004.000	005.000
744307012	004.000	005.000
744307016	004.000	005.000
744307022	004.000	005.000
744308015	004.000	005.000
744308020	004.000	005.000
744308025	004.000	005.000
744308033	004.000	005.000
744308040	004.000	005.000
7443081010	003.000	004.000
7443081012	003.000	004.000
7443081015	003.000	004.000
7443081018	003.000	004.000
7443081022	003.000	004.000



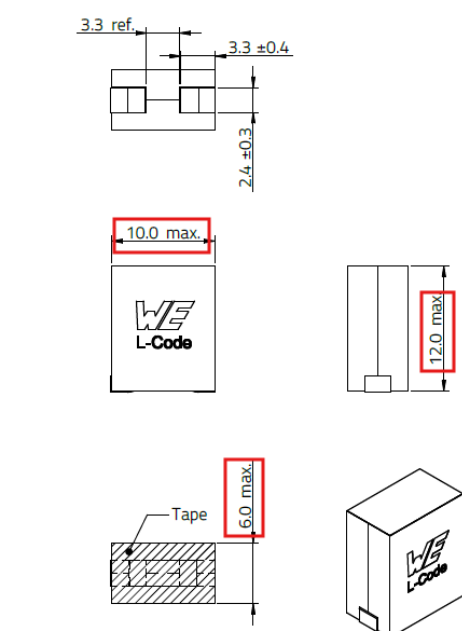
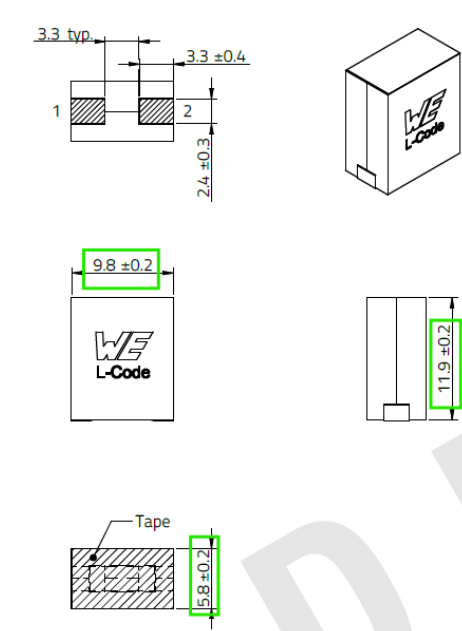
7443081030	003.000	004.000
7443081040	003.000	004.000
7443082010	004.000	005.000
7443082010B	004.000	005.000
7443082012	004.000	005.000
7443082012B	004.000	005.000
7443082015	004.000	005.000
7443082015A	003.000	004.000
7443082015B	004.000	005.000
7443082017	004.000	005.000
7443082018	004.000	005.000
7443082018A	003.000	004.000
7443082022	004.000	005.000
744309012	003.000	004.000
744309025	004.000	005.000
744309033	004.000	005.000
744309047	004.000	005.000
7443091062	003.000	004.000
7443091080	003.000	004.000
7443091100	002.000	003.000
7443091120	003.000	004.000
7443091150	003.000	004.000
74431012007	003.000	004.000
74431012010	003.000	004.000
74431012012	003.000	004.000
74431012015	003.000	004.000
74431323012	003.000	004.000
74431323016	003.000	004.000
74431435010	004.000	005.000
74431435012	004.000	005.000

74431435015	004.000	005.000
74431435018	004.000	005.000
74431435022	004.000	005.000
74431821100	005.000	006.000
744340300025	003.000	004.000
744340300030	003.000	004.000
744340300055	003.000	004.000
744340300075	003.000	004.000
74434035007	003.000	004.000
74434035010	003.000	004.000
74435030010	003.000	004.000

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

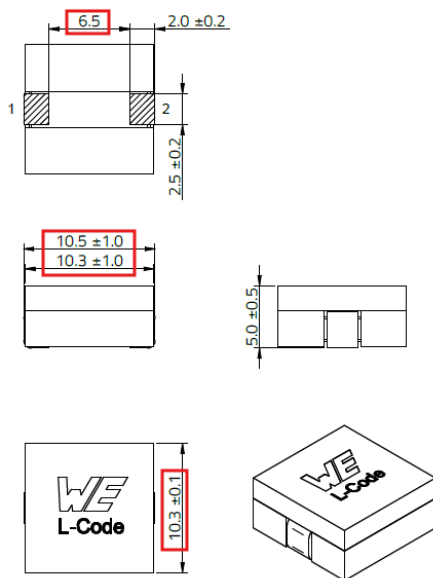
DETAILS OF CHANGE:

To avoid discrepancies between the mechanical drawings and production specifications, Würth Elektronik eiSos has adjusted all mechanical dimensions where the drawings did not reflect the actual component dimensions for all part numbers listed in the table "PART NUMBER, REVISION & DATASHEET".

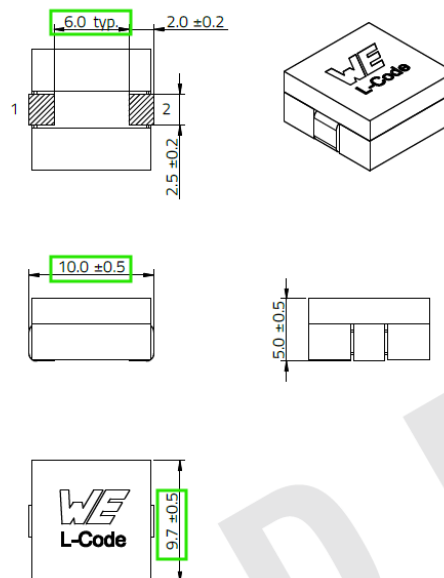
BEFORE CHANGE	AFTER CHANGE
SIZE 1012 / PART NUMBER 744300006, 744300008, 744300010, 744300015:	
Dimensions: [mm] 	Dimensions: [mm] 

SIZE 1052 / PART NUMBER 744306020, 744306025, 744306030:

Dimensions: [mm]

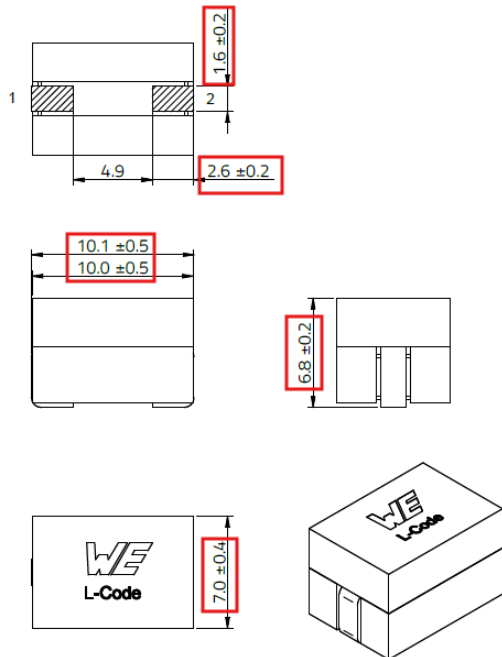


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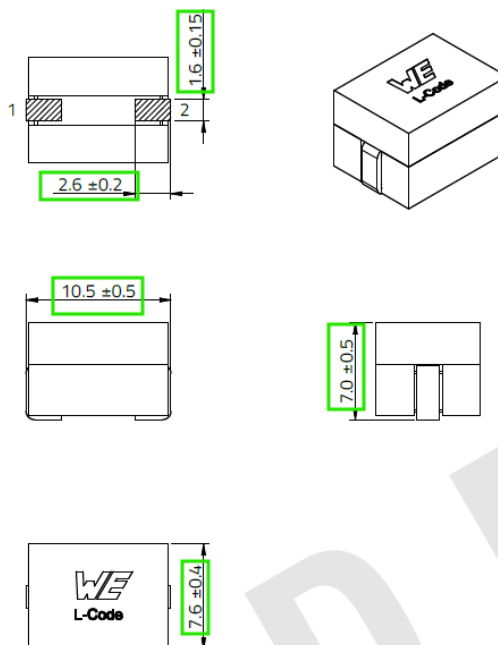


SIZE 1070 / PART NUMBER 744308015, 744308020, 744308025, 744308033, 744308040:

Dimensions: [mm]



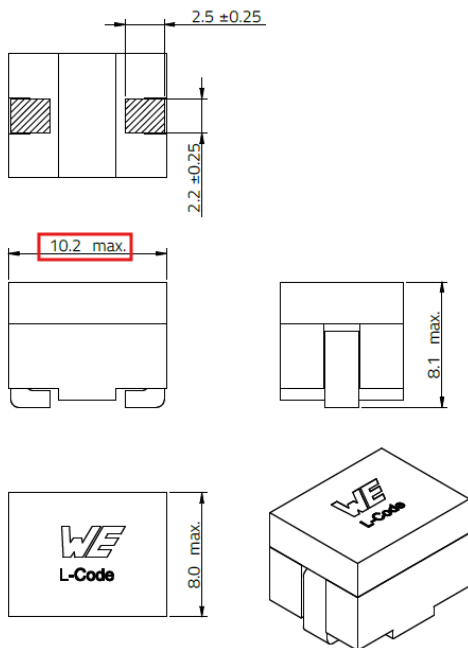
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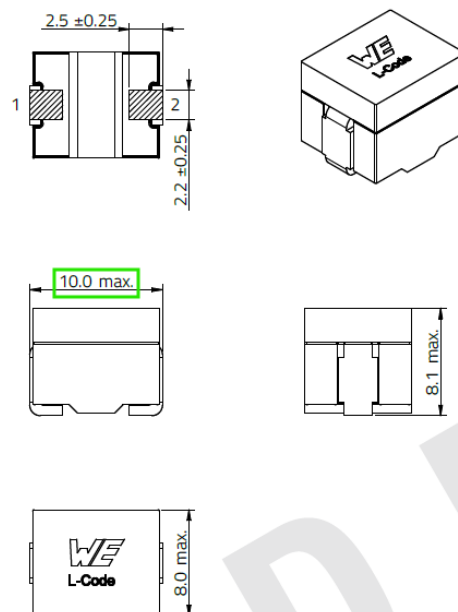
SIZE 1088

PART NUMBER 7443082010, 7443082012, 7443082015, 7443082017, 7443082018, 7443082022:

Dimensions: [mm]

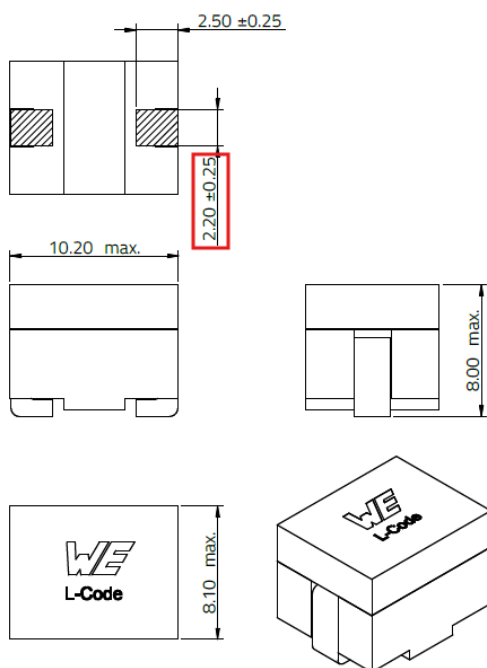


Dimensions: [mm]

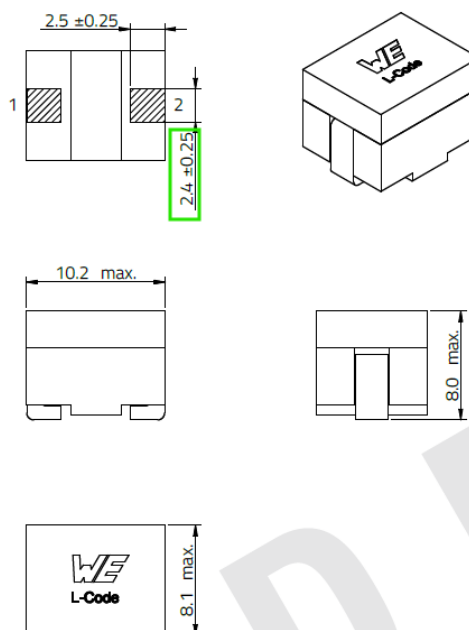


SIZE 1088A / PART NUMBER 7443082015A, 7443082018A:

Dimensions: [mm]

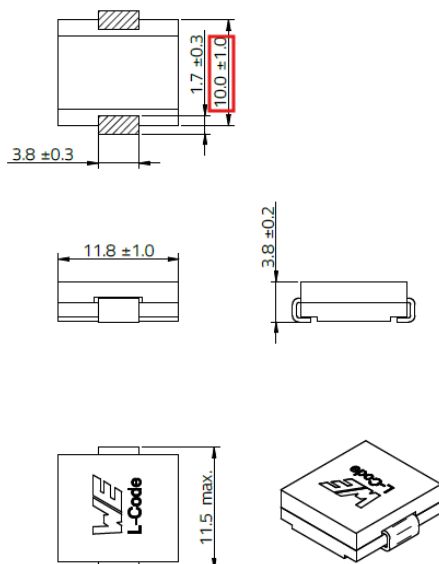


Dimensions: [mm]

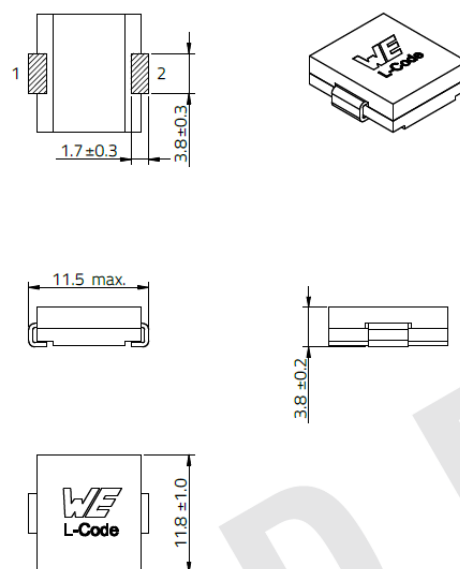


SIZE 1240 / PART NUMBER 744304010, 744304016, 744304022:

Dimensions: [mm]

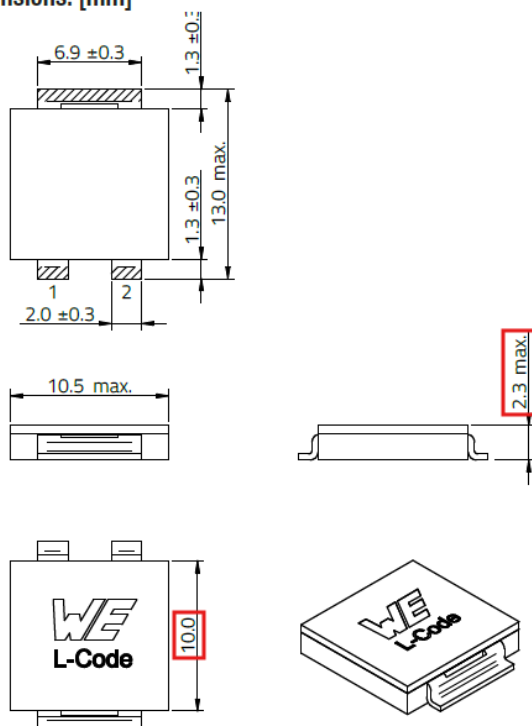


Dimensions: [mm]

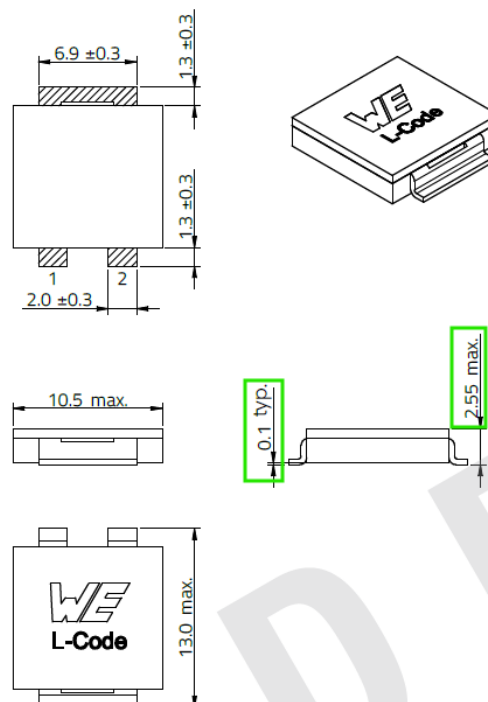


SIZE 1323 / PART NUMBER 74431323012, 74431323016:

Dimensions: [mm]

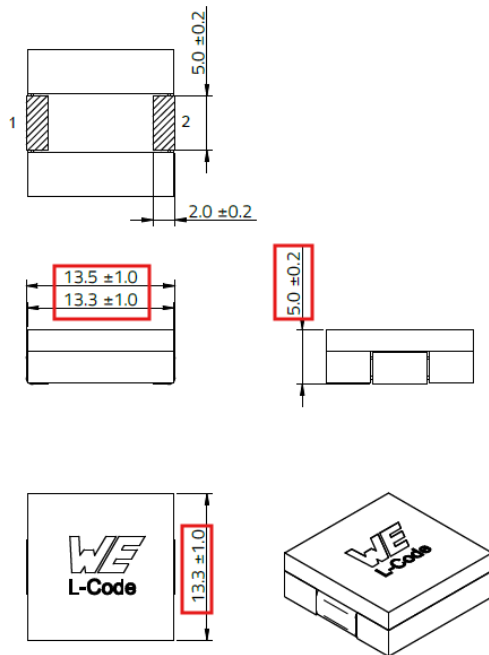


Dimensions: [mm]

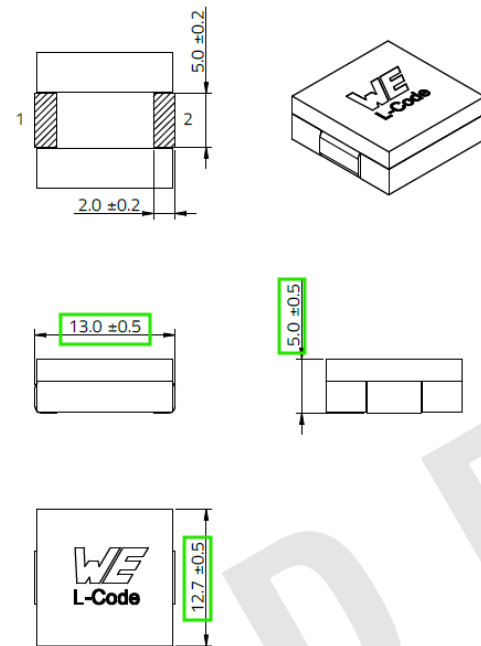


SIZE 1350 / PART NUMBER 744305022, 744305033, 744305040:

Dimensions: [mm]

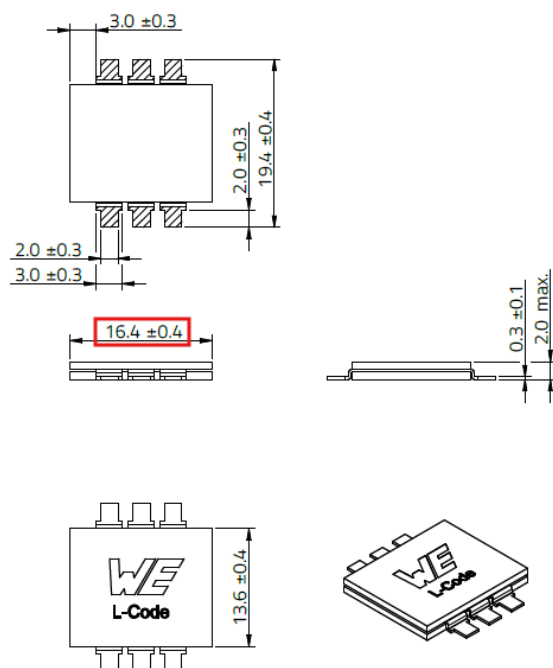


Dimensions: [mm]

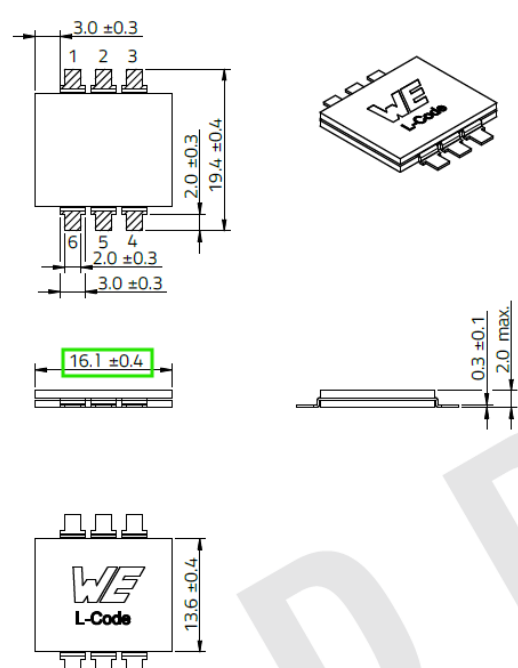


SIZE 1820 / PART NUMBER 74431821100:

Dimensions: [mm]

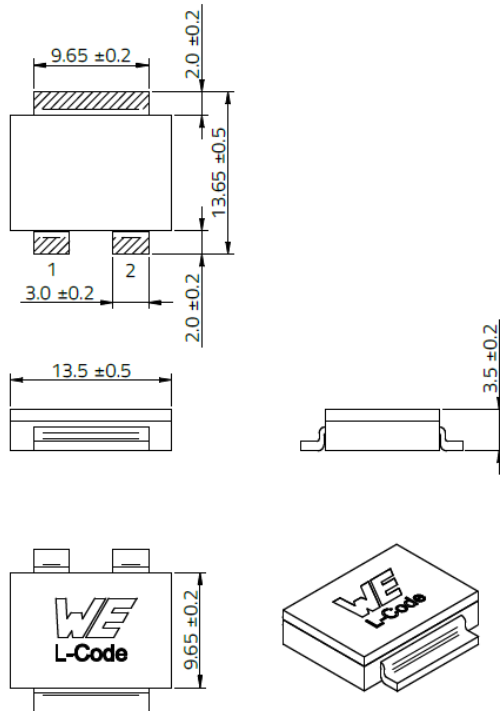


Dimensions: [mm]

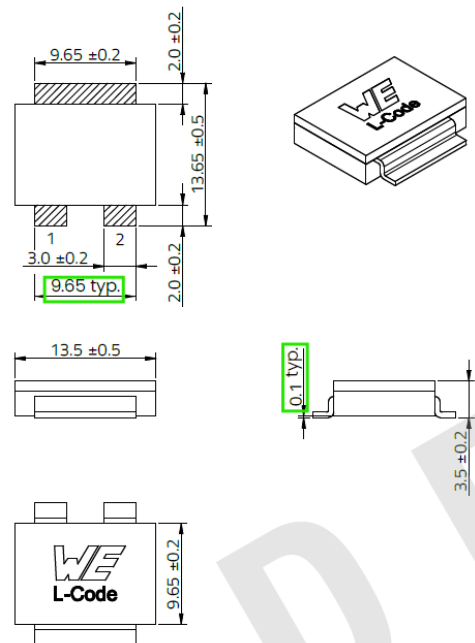


SIZE 1435 / PART NUMBER 74431435010, 74431435012, 74431435015, 74431435018, 74431435022

Dimensions: [mm]

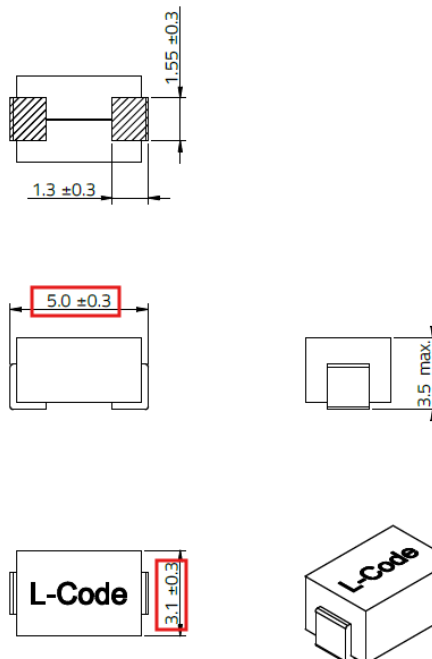


Dimensions: [mm]

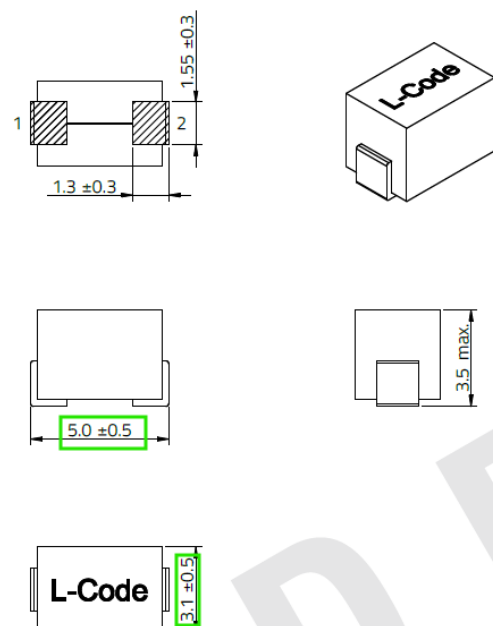


SIZE 4035 / PART NUMBER 74434035010:

Dimensions: [mm]

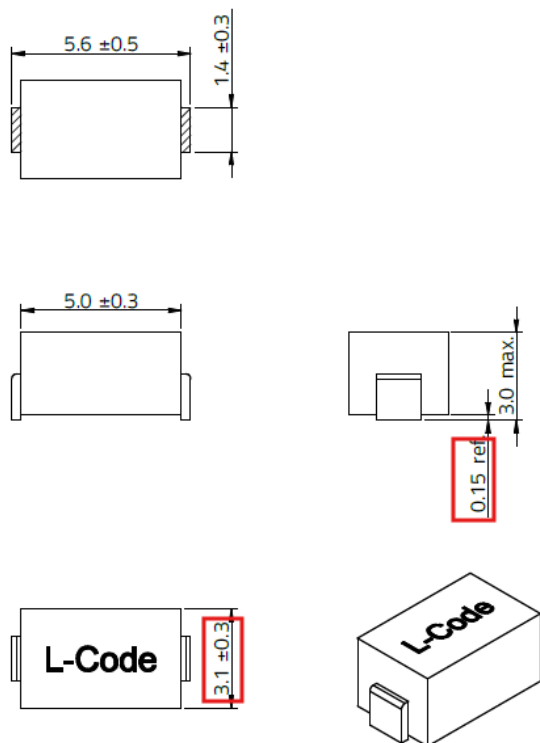


Dimensions: [mm]

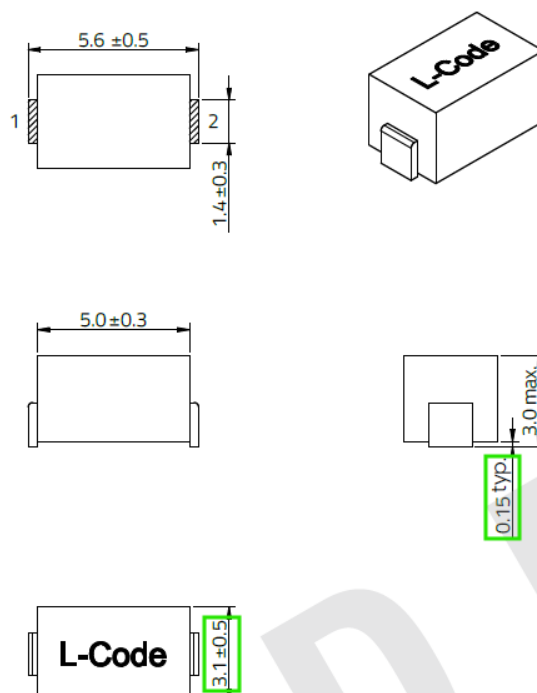


SIZE 5030 / PART NUMBER 74435030010:

Dimensions: [mm]

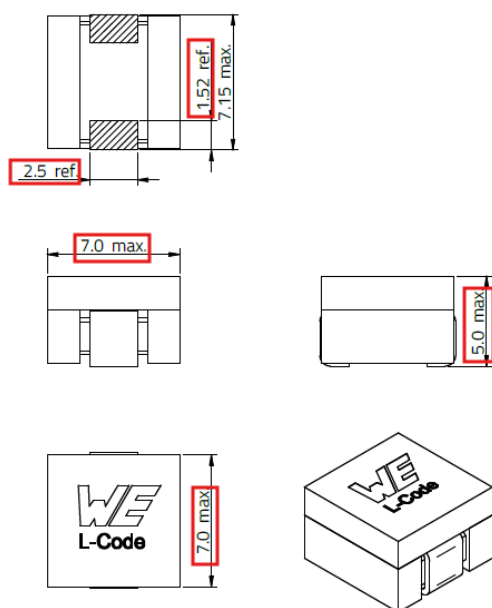


Dimensions: [mm]

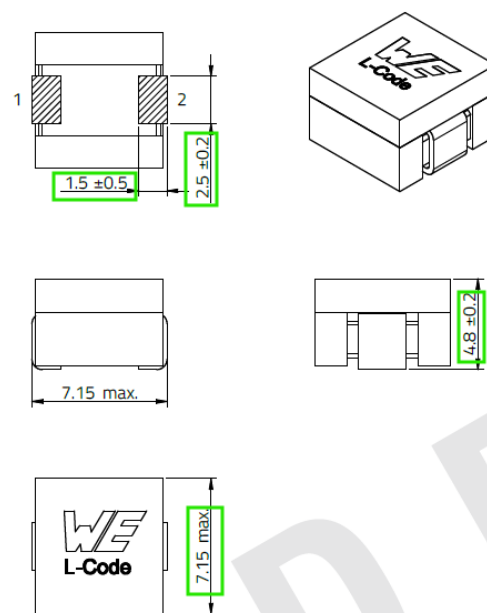


SIZE 7050 / PART NUMBER 744302007, 744302010, 744302015:

Dimensions: [mm]

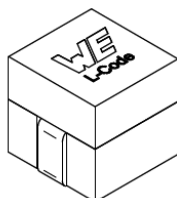
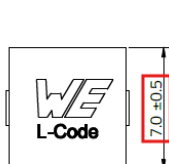
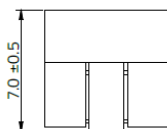
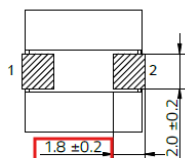


Dimensions: [mm]

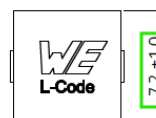
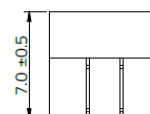
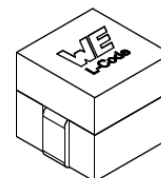
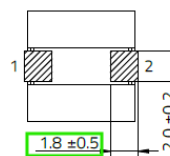


SIZE 7070/ PART NUMBER 744307012, 744307016, 744307022:

Dimensions: [mm]



Dimensions: [mm]



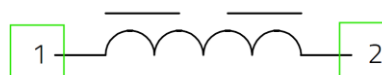
To correct the schematic and have it more accurate with the product design, Würth Elektronik eiSos has deleted all start of winding points for all affected part numbers.

In addition, pad tags have been added for a better understanding of the drawing:

BEFORE CHANGE



AFTER CHANGE





For all affected part numbers Würth Elektronik eiSos has removed the obsolete electrical parameters: Rated Inductance (L_R), Rated Current (I_R) and additionally defined an Operational voltage of 80 V:

BEFORE CHANGE						AFTER CHANGE					
Electrical Properties:						Electrical Properties:					
Properties		Test conditions	Value	Unit	Tol.	Properties		Test conditions	Value	Unit	Tol.
Inductance	L	100 kHz/ 10 mA	150	nH	±10%	Inductance	L	100 kHz/ 10 mA	0.15	µH	±10%
Rated Inductance	L_R	100 kHz/ 10 mA/ 38.0 A	150	nH	typ.	Performance Rated Current	$I_{RP,40K}$	$\Delta T = 40\text{ K}$	57	A	max.
Rated Current	I_R	$\Delta T = 40\text{ K}$	38	A	max.	Saturation Current @ 10%	$I_{SAT,10\%}$	$ dL/L < 10\%$	67	A	typ.
Performance Rated Current ¹⁾	$I_{RP,40K}$	$\Delta T = 40\text{ K}$	56.8	A	max.	Saturation Current @ 30%	$I_{SAT,30\%}$	$ dL/L < 30\%$	78	A	typ.
Saturation Current @ 10%	$I_{SAT,10\%}$	$ dL/L < 10\%$	67	A	typ.	DC Resistance	R_{DC}	@ 20 °C	0.29	mΩ	±5%
Saturation Current @ 30%	$I_{SAT,30\%}$	$ dL/L < 30\%$	75	A	typ.	Self Resonant Frequency	f_{res}		53	MHz	typ.
DC Resistance	R_{DC}	@ 20 °C	0.29	mΩ	±5%	Operating Voltage	V_{OP}		80	V	max.
Self Resonant Frequency	f_{res}		60	MHz	typ.						

¹⁾ refer to IEC 62024-2-2020

To improve the way how the product series was measured in the past, Würth Elektronik eiSos has updated the Saturation Current @10%, Saturation Current @30% and Self Resonant Frequency for all affected part numbers:

BEFORE CHANGE						AFTER CHANGE					
Electrical Properties:						Electrical Properties:					
Properties		Test conditions	Value	Unit	Tol.	Properties		Test conditions	Value	Unit	Tol.
Inductance	L	100 kHz/ 10 mA	150	nH	±10%	Inductance	L	100 kHz/ 10 mA	0.15	µH	±10%
Rated Inductance	L_R	100 kHz/ 10 mA/ 38.0 A	150	nH	typ.	Performance Rated Current	$I_{RP,40K}$	$\Delta T = 40\text{ K}$	57	A	max.
Rated Current	I_R	$\Delta T = 40\text{ K}$	38	A	max.	Saturation Current @ 10%	$I_{SAT,10\%}$	$ dL/L < 10\%$	67	A	typ.
Performance Rated Current ¹⁾	$I_{RP,40K}$	$\Delta T = 40\text{ K}$	56.8	A	max.	Saturation Current @ 30%	$I_{SAT,30\%}$	$ dL/L < 30\%$	78	A	typ.
Saturation Current @ 10%	$I_{SAT,10\%}$	$ dL/L < 10\%$	67	A	typ.	DC Resistance	R_{DC}	@ 20 °C	0.29	mΩ	±5%
Saturation Current @ 30%	$I_{SAT,30\%}$	$ dL/L < 30\%$	75	A	typ.	Self Resonant Frequency	f_{res}		53	MHz	typ.
DC Resistance	R_{DC}	@ 20 °C	0.29	mΩ	±5%	Operating Voltage	V_{OP}		80	V	max.
Self Resonant Frequency	f_{res}		60	MHz	typ.						

¹⁾ refer to IEC 62024-2-2020

This is an example. The specific details for each part number can be found in the links in the table "PART NUMBER, REVISION & DATASHEET".



To ensure consistent and simplified presentation of the performance rated current data, Würth Elektronik eiSos has rounded the values for all affected part numbers:

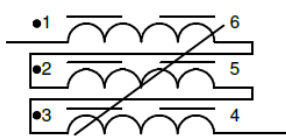
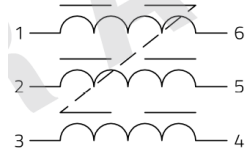
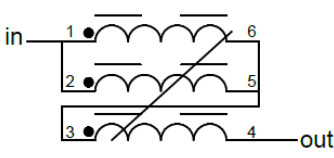
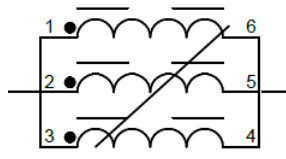
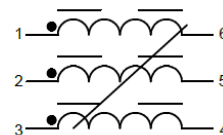
BEFORE CHANGE						AFTER CHANGE					
Electrical Properties:						Electrical Properties:					
Properties		Test conditions	Value	Unit	Tol.	Properties		Test conditions	Value	Unit	Tol.
Inductance	L	100 kHz/ 10 mA	200	nH	±20%	Inductance	L	100 kHz/ 10 mA	0.2	μH	±20%
Rated Inductance	L _R	100 kHz/ 10 mA/ 25.0 A	195	nH	typ.	Performance Rated Current	I _{RP,40K}	ΔT = 40 K	71	A	max.
Rated Current	I _R	ΔT = 40 K	25	A	max.	Saturation Current @ 10%	I _{SAT,10%}	ΔI/LI < 10 %	41	A	typ.
Performance Rated Current ¹⁾	I _{RP,40K}	ΔT = 40 K	71.2	A	max.	Saturation Current @ 30%	I _{SAT,30%}	ΔI/LI < 30 %	47	A	typ.
Saturation Current @ 10%	I _{SAT,10%}	ΔI/LI < 10 %	34	A	typ.	DC Resistance	R _{DC}	@ 20 °C	0.26	mΩ	±7%
Saturation Current @ 30%	I _{SAT,30%}	ΔI/LI < 30 %	36.1	A	typ.	Self Resonant Frequency	f _{res}		49	MHz	typ.
DC Resistance	R _{DC}	@ 20 °C	0.26	mΩ	±7%	Operating Voltage	V _{OP}		80	V	max.
Self Resonant Frequency	f _{res}		51	MHz	typ.						

¹⁾ refer to IEC 62024-2-2020

For part numbers mentioned in the table below, Würth Elektronik eiSos has corrected the following electrical parameters to align with the current production control specifications.

BEFORE CHANGE	AFTER CHANGE
SIZE 1190 / PART NUMBER 744301025, 744301033, and 744301047	
INDUCTANCE TOLERANCE = ± 20% DC RESISTANCE = 0.32 mΩ	INDUCTANCE TOLERANCE = ± 15% DC RESISTANCE = 0.3 mΩ
SIZE 1190 / PART NUMBER 74431323012	
DC RESISTANCE TOLERANCE = ± 8%	DC RESISTANCE TOLERANCE = ± 7%
SIZE 1350 / PART NUMBER 744305022, 744305033, 744305040:	
DC RESISTANCE TOLERANCE = ± 7%	DC RESISTANCE TOLERANCE = ± 10%
SIZE 1390 / PART NUMBER 744309012, 744309025, 744309033, 744309047	
INDUCTANCE TOLERANCE = ± 20%	INDUCTANCE TOLERANCE = ± 15%
SIZE 4030 / PART NUMBER 744340300025, 744340300030, 744340300055, 744340300075:	
INDUCTANCE TOLERANCE = ± 15% DC RESISTANCE TOLERANCE = ± 15%	INDUCTANCE TOLERANCE = ± 20% DC RESISTANCE TOLERANCE = ± 10%

To improve the clarity of the datasheet layout, Würth Elektronik eiSos has restructured the complete datasheet for part number 74431821100 by removing the Parallel, Three-turn, and Two-turn configurations and showing only the One-turn topology:

BEFORE CHANGE	AFTER CHANGE																																																
SCHEMATIC																																																	
Three turns Schematic 	One turn Schematic 																																																
Two turns Schematic 																																																	
Parallel Schematic 																																																	
One turn Schematic 																																																	
ELECTRICAL PROPERITES																																																	
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L-Code

R10

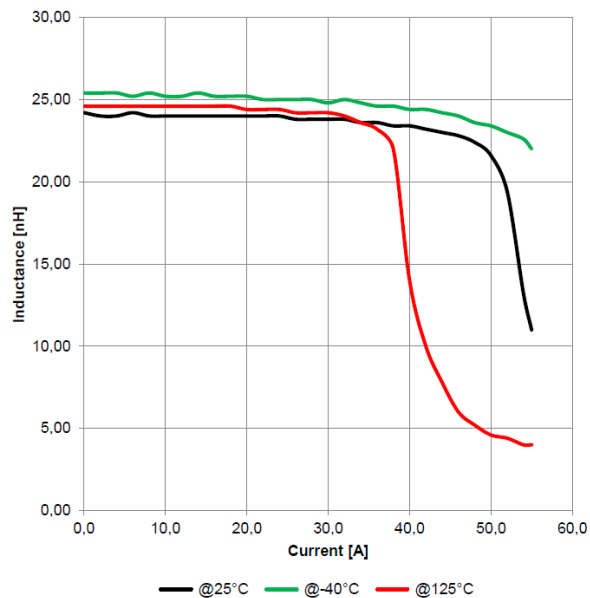
R12

The specific details for the part number 74431821100 can be found in the link in the table "PART NUMBER, REVISION & DATASHEET".

As [REDEXPERT](#) already provides Typical Inductance vs. Current Characteristics information at different temperatures, Würth Elektronik eiSos has remeasured and improved the Typical Inductance vs. Current Characteristics graphs and revised the datasheet to show only Typical Inductance vs. Current Characteristics at 20°C for the affected part numbers:

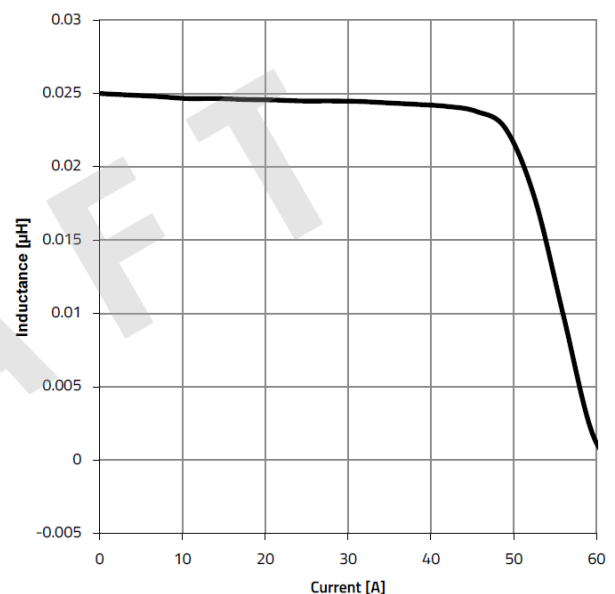
BEFORE CHANGE

Typical Inductance vs. Current Characteristics:



AFTER CHANGE

Typical Inductance vs. Current Characteristics:



RELIABILITY / QUALIFICATION OF CHANGE:

There will be no change of the product, therefore no additional reliability or qualification testing was performed.