

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

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Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_WCAP-PHET_20210614

Affected Series: WCAP-PHET

PCN Date: March 15, 2021

Effective Date: June 14, 2021

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:

Due to database mismatches, Würth Elektronik is going to correct the datasheets of the product series WCAP-PHET.

All products affected by changes are listed below.

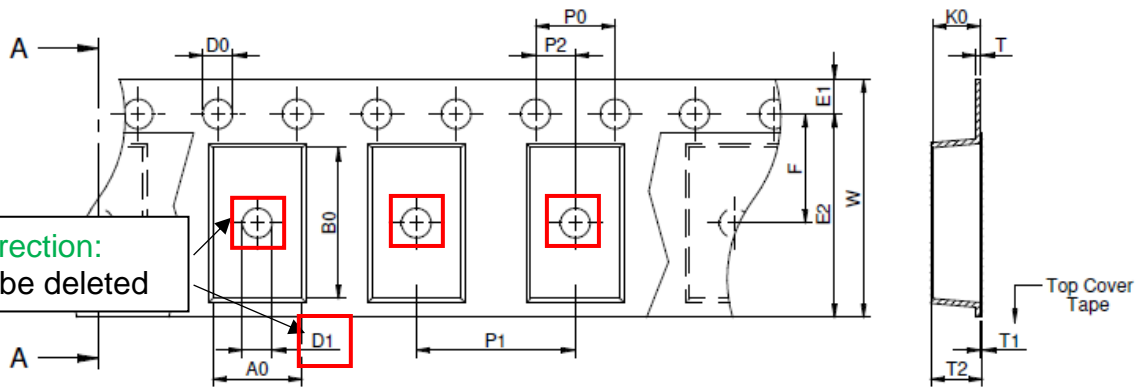
This is a datasheet correction only. There will be no change in form, fit, function, quality or reliability of the product.

DETAIL OF CHANGE:

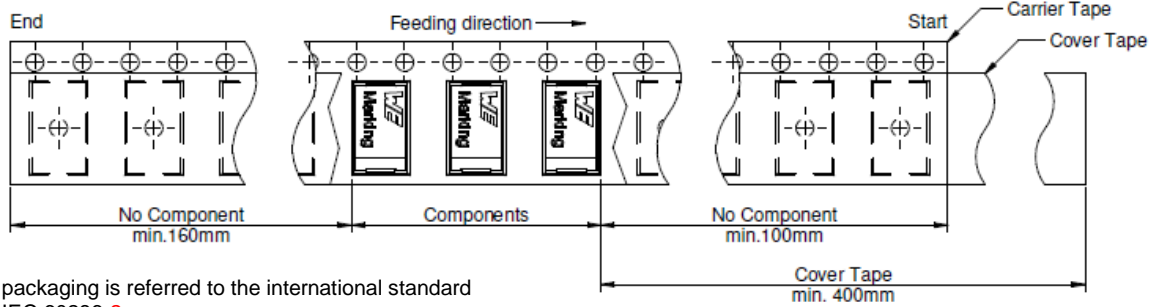
- Würth Elektronik corrects the tape packaging specification for all products of WCAP-PHET:

Before correction:

Packaging Specification - Tape and Reel: [mm]



After correction:
This will be deleted



packaging is referred to the international standard IEC 60286-2

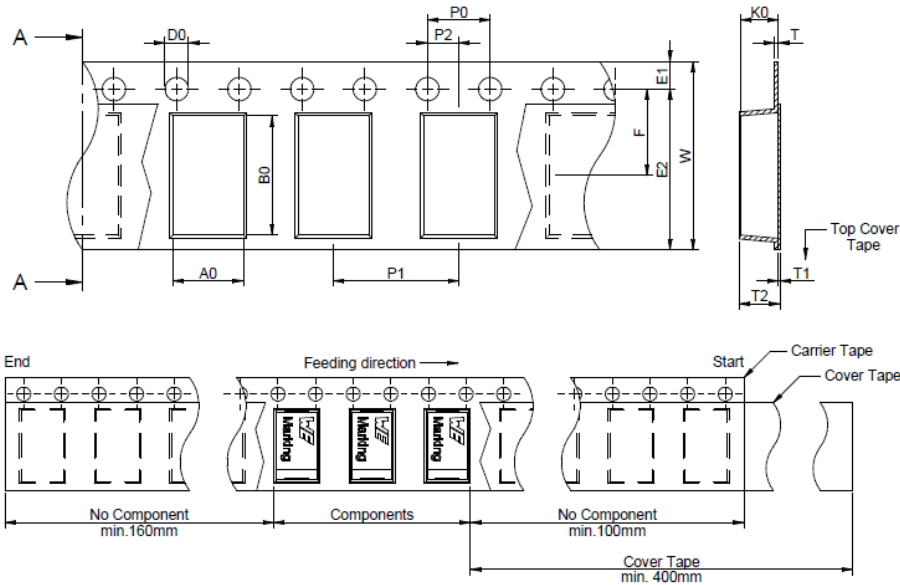
Tape Type	A0 (mm)	B0 (mm)	W (mm)	T (mm)	T1 (mm)	T2 (mm)	K0 (mm)	P0 (mm)	P1 (mm)	P2 (mm)	D0 (mm)	D1 (mm)	E1 (mm)	E2 (mm)	F (mm)	Material	Qty. (pcs.)
	typ.	typ.	+0,3/-0,1	ref.	max.	typ.	typ.	±0,1	±0,1	±0,05	+0,1/-0,0	min.	±0,1	min.	±0,05		
2a	4,50	7,60	12,00		0,10		2,40	4,00	8,00	2,00	1,50	1,50	1,75	10,25	5,50	Polystyrene	3500

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After correction:



packaging is referred to the international standard IEC 60286-3

Specification after correction:

Tape Type	A0 (mm)	B0 (mm)	W (mm)	T (mm)	T1 (mm)	T2 (mm)	K0 (mm)
	typ.	typ.	+0,3/ -0,1	typ.	typ.	typ.	typ.
2a	4,50	7,60	12,00	0,30	0,05	2,55	2,40

P0 (mm)	P1 (mm)	P2 (mm)	D0 (mm)	E1 (mm)	E2 (mm)	F (mm)	Material	Qty. (pcs.)
±0,1	±0,1	±0,05	+0,1/ -0,0	±0,1	min.	±0,05		
4,00	8,00	2,00	1,50	1,75	10,25	5,50	Polystyrene	3500

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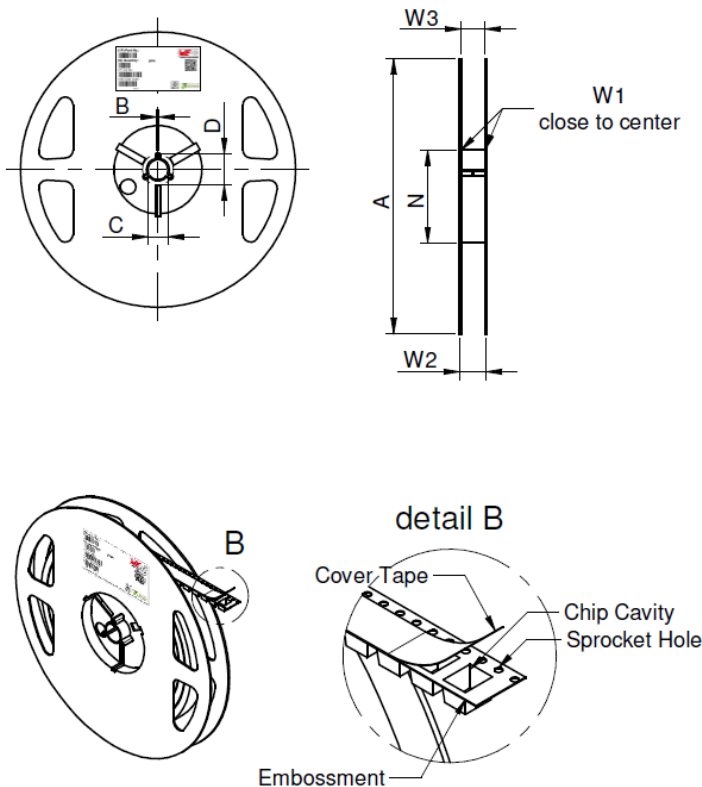
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- Würth Elektronik corrects the reel packaging specification for all products of WCAP-PHET:

Before correction:



A (mm)	B (mm)	C (mm)	D (mm)	N (mm)	W1 (mm)	W2 (mm)	W3 (mm)	W3 (mm)	Material
± 2,0	min.	min.	min.	min.	+ 2,0	max.	min.	max.	
330,00	1,50	12,80	20,20	60,00	12,40	18,40	11,90	15,40	Polystyrene/ Polyurethane

Specification after correction:

	A (mm)	B (mm)	C (mm)	D (mm)	N (mm)	W1 (mm)	W2 (mm)	W3 (mm)	W3 (mm)	Material
Tol.	± 2,0	min.	min.	min.	typ.	+ 2,0	max.	min.	max.	
Value	330,0 0	1,50	12,80	20,20	80,00	12,40	18,40	11,90	15,40	Poly-styrene

- Würth Elektronik also adds the specification for the inner and outer carton to the datasheets. Please have a look at the new datasheet.

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- Würth Elektronik adds the ripple current multiplier for lower frequencies for all products of WCAP-PHET:

Before

Multiplier for Ripple Current vs. Frequency

Frequency	Multiplier
10 kHz ≤ freq. < 20 kHz	0.6
20 kHz ≤ freq. < 50 kHz	0.7
50 kHz ≤ freq. < 100 kHz	0.8
100 kHz ≤ freq. < 200 kHz	1.0
200 kHz ≤ freq. < 500 kHz	0.8
500 kHz ≤ freq. < 1 MHz	0.7
1 MHz ≤ freq. < 10 MHz	0.4

After

Frequency	Multiplier
100 Hz ≤ freq. < 1 kHz	0.05
1 kHz ≤ freq. < 10 kHz	0.3
10 kHz ≤ freq. < 20 kHz	0.6
20 kHz ≤ freq. < 50 kHz	0.7
50 kHz ≤ freq. < 100 kHz	0.8
100 kHz ≤ freq. < 200 kHz	1.0
200 kHz ≤ freq. < 500 kHz	0.8
500 kHz ≤ freq. < 1 MHz	0.7
1 MHz ≤ freq. < 10 MHz	0.4

- Würth Elektronik corrects the Technical Reference for the following part numbers:

WE P/N	Technical Reference before correction	Technical reference after correction
875135219001	PSK2917470M010DHCT1HT19	PSK2917470M010DHCT2HT19
875135219003	PSK2917101M010DHCT1HT19	PSK2917101M010DHCT2HT19
875135319002	PSK2917220M016DHCT1HT19	PSK2917220M016DHCT2HT19
875135319004	PSK2917470M016DHCT1HT19	PSK2917470M016DHCT2HT19
875135519001	PSK2917150M025DHCT1HT19	PSK2917150M025DHCT2HT19
875135519002	PSK2917220M025DHCT1HT19	PSK2917220M025DHCT2HT19

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- Würth Elektronik updates the Cautions and Warnings for all products of WCAP-PHET:

Please have a look at the new datasheet.

Especially the following paragraph is updated:

Before

A storage of Würth Elektronik products for longer than **24** months is not recommended. Within other effects, the terminals may suffer degradation, resulting in bad solderability. Therefore, all products shall be used within the period of **24** months based on the day of shipment.

After

A storage of Würth Elektronik products for longer than **12** months is not recommended. Within other effects, the terminals may suffer degradation, resulting in bad solderability. Therefore, all products shall be used within the period of **12** months based on the day of shipment.

RELIABILITY / QUALIFICATION SUMMARY:

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