

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

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Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_WCAPCSGP_20210103

Affected Series: WCAP-CSGP

PCN Date: October 03, 2020

Effective Date: January 03, 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 mismatch, Würth Elektronik is going to correct the datasheets of the product series WCAP-CSGP.

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.

Useful Information:

This PCN contains a large number of different part numbers. In order to prevent our customer from searching for too long, we kindly want to inform the customer to use the command Ctrl + F within the PDF document to search specifically for the requested part number. Below you can see an example section of the PCN for a better illustration.

■ We correct the test condition of the capacitance from "**1±0.2 Vrms, 1 MHz ±10%**" to "**1 ±0.2 V_{RMS}, 1 kHz ±10% @25 °C**" for the following part numbers:

885012205001	885012205029	885012205057	885012205015	885012205043
885012205002	885012205030	885012205058	885012205016	885012205044
885012205003	885012205031	885012205059	885012205017	885012205045

Suchen (1/1)

Zurück Weiter

Depending on the PDF reader, the searching option may differ.

**DETAIL OF CHANGE:**

We update our datasheet layout in general for all of our WCAP-CSGP datasheets. Furthermore with this layout update we would like to correct the electrical and mechanical characteristics. All corrections in terms of electrical characteristics are shown below.

- We correct the **test conditions of the capacitance** for the following part numbers:

Part numbers	Old value	New value
885012105007	1±0.2 Vrms, 1 MHz ±10%	0,5 ±0.2 V _{RMS} , 1 kHz ±10% @25 °C
885012105008	1±0.2 Vrms, 1 MHz ±10%	0,5 ±0.2 V _{RMS} , 1 kHz ±10% @25 °C
885012105013	1±0.2 Vrms, 1 MHz ±10%	0,5 ±0.2 V _{RMS} , 1 kHz ±10% @25 °C
885012207002	1±0.2 Vrms, 1 kHz ±10%	0,5 ±0.2 V _{RMS} , 1 kHz ±10% @25 °C
885012207003	0,5±0.2 Vrms, 1 kHz ±10%	1 ±0.2 V _{RMS} , 1 kHz ±10% @25 °C
885012105020	01±0.2 Vrms, 1 kHz±10% @25 °C	0,5±0.2 V _{RMS} , 1 kHz±10% @25 °C

- We correct the **test condition of the capacitance** from "**1±0.2 Vrms, 1 MHz ±10%**" to "**1 ±0.2 V_{RMS}, 1 kHz ±10% @25 °C**" for the following part numbers:

885012205001	885012205029	885012205057	885012205015	885012205043
885012205002	885012205030	885012205058	885012205016	885012205044
885012205003	885012205031	885012205059	885012205017	885012205045
885012205004	885012205032	885012205060	885012205018	885012205046
885012205005	885012205033	885012205061	885012205019	885012205047
885012205006	885012205034	885012205062	885012205020	885012205048
885012205007	885012205035	885012205063	885012205021	885012205049
885012205008	885012205036	885012205064	885012205022	885012205050
885012205009	885012205037	885012205065	885012205023	885012205051
885012205010	885012205038	885012205066	885012205024	885012205052
885012205011	885012205039	885012205067	885012205025	885012205053
885012205012	885012205040	885012105001	885012205026	885012205054
885012205013	885012205041	885012105002	885012205027	885012205055
885012205014	885012205042	885012105003	885012205028	885012205056
885012105004	885012105010	885012105015	885012105018	885012207003
885012105005	885012105011	885012105016	885012105006	885012105012
885012105009	885012105014	885012105017		

- We correct the **unit of insulation resistance** from **MΩ** to **GΩ** for the following part numbers:

885012007001	885012007013	885012007028	885012007037	885012007053
885012007002	885012007014	885012007029	885012007045	885012007054
885012007003	885012007015	885012007030	885012007046	885012007055
885012007004	885012007016	885012007031	885012007047	885012007056
885012007005	885012007017	885012007032	885012007048	885012007057
885012007006	885012007018	885012007033	885012007049	885012007058
885012007010	885012007019	885012007034	885012007050	885012007059
885012007011	885012007026	885012007035	885012007051	885012007060
885012007012	885012007027	885012007036	885012007052	

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- We correct the **value of the insulation resistance** for the following part numbers:

Part numbers	Old value (in GΩ)	New value (in GΩ)
885012105012	0.1	0.05
885012205086	1	0.5
885012107014	0.01	0.005
885012105020	0.005	0.01
885012207026	0.02	0.01
885012108004	0.001	0.002
885012108005	0.0005	0.001
885012209006	0.1	0.02
885012209073	0.005	0.01
885012209074	0.002	0.005
885012107014	0.005	0.01
885012105006	0.01	0.1
885012106006	0.005	0.1

- We correct the **value of the dissipation factor** for the following part numbers:

Part numbers	Old value (in %)	New value (in %)
885012209071	2,50	5
885012105006	10	15
885012109013	5	10
885012105007	20	10
885012105008	20	10
885012105013	15	10
885012105020	20	10
885012106006	15	10
885012207002	15	10
885012207003	15	10
885012107005	15	10
885012107006	15	10
885012108004	15	10
885012108005	15	10
885012209006	10	5
885012109004	15	10
885012109006	10	5
885012109010	10	5
885012109014	10	5
885012209075	10	5

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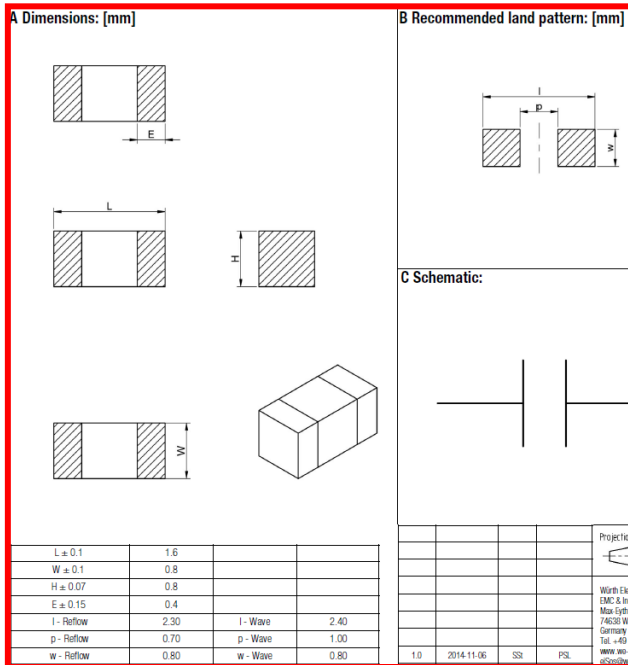
- For parts with a size bigger than 0603 and 0805 as well as parts with a thickness bigger than 0.85 mm we do not recommend wave soldering, to prevent cracking. We correct this condition for the following part numbers:

885012007009	885012207075	885012207047	885012107002	885012008070
885012007024	885012207076	885012207048	885012107003	885012008071
885012007025	885012207077	885012207049	885012107004	885012008072
885012007043	885012207078	885012207050	885012107005	885012008073
885012007044	885012207099	885012207051	885012107006	885012008074
885012007066	885012207100	885012207052	885012107007	885012008076
885012007067	885012107015	885012207053	885012107008	885012008078
885012207017	885012207001	885012207073	885012107009	885012208101
885012207018	885012207002	885012207074	885012107010	885012208103
885012207019	885012207003	885012207075	885012107011	885012208104
885012207020	885012207017	885012207076	885012107012	885012208105
885012207021	885012207018	885012207077	885012107013	885012208106
885012207022	885012207019	885012207078	885012107014	885012208107
885012207046	885012207020	885012207079	885012107016	885012208109
885012207047	885012207021	885012207099	885012107017	885012208110
885012207048	885012207022	885012207100	885012107018	885012208111
885012207049	885012207023	885012207101	885012008061	885012208112
885012207050	885012207024	885012207102	885012008062	885012208113
885012207051	885012207025	885012207103	885012008065	885012208115
885012207073	885012207026	885012207128	885012008067	885012208116
885012207074	885012207046	885012107001	885012008068	885012208117

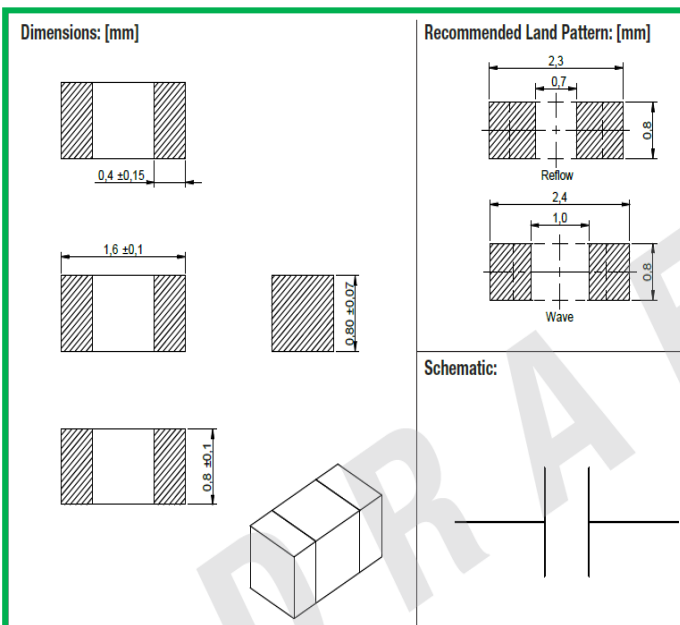
- We correct the **technical part number** for the following part numbers:

Part numbers	Old value	New value
885012007099	NP00805 0R5C 100DFCT10000	NP00805 R50C 100DFCT10000
885012006086	NP00603 0R5C 100DFCT10000	NP00603 R50C 100DFCT10000
885012207129	X7R0805475K025 I FCT10000	X7R0805475K025 D FCT10000

All corrections in terms of mechanical characteristics are shown below. In order to visualize our corrections of the dimensions we want to show an example of the old and the new drawings. First we update our dimensioning from an indirect dimensioning to a direct dimensioning:



Picture 2: Old Drawings with indirect dimensioning



Picture 2: New drawings with direct dimensioning

In the course of the update from indirect to direct dimensioning the values for the dimensions and tolerances will be updated. The upcoming corrections can be seen more detailed in *Picture 1*, please refer to length as L, height as H, width as W and pad dimensions as E.

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- We correct the **value of the tolerance of the height (H)** for the following part numbers:

Part numbers	Old value (in mm)	New value (in mm)
885012205086	±0.05	±0.20
885012008009	±0.1	+0.3/-0.1
885012008010	±0.1	+0.3/-0.1
885012106025	+0.15/-0.10	±0.20
885012206076	+0.15/-0.10	±0.20
885012106005	+0.15/-0.10	±0.20
885012206121	±0.15	+0.15/-0.10
885012207103	±0.1	±0.20
885012105008	±0.20	+0.15/-0.05
885012105020	±0.20	+0.20/-0
885012106006	±0.20	+0.15/-0.05
885012207002	±0.20	±0.10
885012207003	±0.20	+0.15/-0.05
885012207025	±0.20	±0.10
885012207026	±0.20	±0.10
885012207053	±0.20	±0.10
885012107005	±0.10	+0.15/-0.05
885012107006	±0.10	+0.20/-0.00
885012107011	±0.20	+0.20/-0.00
885012208019	+0.3/-0.1	±0.20
885012208041	+0.3/-0.1	±0.20
885012208069	+0.3/-0.1	±0.20
885012208094	+0.3/-0.1	±0.20
885012108004	+0.3/-0.1	±0.20
885012108005	+0.3/-0.1	±0.20
885012108012	+0.3/-0.1	±0.20
885012108018	+0.3/-0.1	±0.20
885012209006	±0.30	±0.20
885012209048	±0.30	±0.20
885012109002	±0.30	±0.20
885012109003	±0.30	±0.20
885012109004	±0.30	±0.20
885012109006	±0.30	±0.20
885012109007	±0.30	±0.20
885012109010	±0.30	±0.20
885012109011	±0.30	±0.20
885012109014	±0.30	±0.20

- We correct the **value of the height (H)** for the following part numbers:

Part numbers	Old value (in mm)	New value (in mm)
885012008009	1,25	1,6
885012008010	0,85	1,6
885012009001	0,95	1,25

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- We correct the **value of the tolerance of the height (H)** from **+0.15/-0.10 mm** to **±0.07 mm** for the following part numbers:

885012206058	885012206066	885012206078	885012206086	885012206077
885012206059	885012206067	885012206079	885012206087	885012206065
885012206060	885012206068	885012206080	885012206088	885012206057
885012206053	885012206061	885012206069	885012206081	885012206089
885012206054	885012206062	885012206070	885012206082	885012206090
885012206055	885012206063	885012206071	885012206083	885012206091
885012206056	885012206064	885012206084	885012206085	

- We correct the **value of the pad dimension (E)** for the following part numbers:

Part numbers	Old value (in mm)	New value (in mm)
885012106006	0,4	0,35
885012208019	0,2	0,5
885012208041	0,2	0,5
885012208069	0,2	0,5
885012208094	0,2	0,5
885012108004	0,2	0,5
885012108005	0,2	0,5
885012108012	0,2	0,5
885012108018	0,2	0,5
885012209006	0,75	0,6
885012209048	0,75	0,6
885012109002	0,75	0,6
885012109003	0,75	0,6
885012109004	0,75	0,6
885012109006	0,75	0,6
885012109007	0,75	0,6
885012109010	0,75	0,6
885012109011	0,75	0,6
885012109014	0,75	0,6
885012209073	0,75	0,6
885012209075	0,3	0,6

- We correct the **value of the tolerance of the pad dimensions (E)** for the following part numbers:

Part numbers	Old value (in mm)	New value (in mm)
885012206121	+0.15/-0.2	±0.15
885012105007	+0.05/-0.10	±0.10
885012105008	+0.05/-0.10	±0.10
885012105013	+0.05/-0.10	±0.10
885012106006	±0.15	±0.25
885012207002	±0.2	±0.25
885012207003	±0.2	±0.25
885012207025	±0.2	±0.25
885012207026	±0.2	±0.25
885012207053	±0.2	±0.25

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885012107005	±0.2	±0.25
885012107006	±0.2	±0.25
885012107011	±0.2	±0.25
885012208019	±0.2	+0.35/-0.25
885012208041	±0.2	+0.35/-0.25
885012208069	±0.2	+0.35/-0.25
885012208094	±0.2	+0.35/-0.25
885012108004	±0.2	+0.35/-0.25
885012108005	±0.2	+0.35/-0.25
885012108012	±0.2	+0.35/-0.25
885012108018	±0.2	+0.35/-0.25
885012209006	±0.25	±0.30
885012209048	±0.25	±0.30
885012109002	±0.25	±0.30
885012109003	±0.25	±0.30
885012109004	±0.25	±0.30
885012109006	±0.25	±0.30
885012109007	±0.25	±0.30
885012109010	±0.25	±0.30
885012109011	±0.25	±0.30
885012109014	±0.25	±0.30
885012209073	min.	±0.30
885012209075	min.	±0.30

- We correct the value of the pad dimension (E) from **0,2 mm** to **0,6 mm** for the following part numbers:

885012008001	885012008036	885012208016	885012208051	885012208086
885012008002	885012008037	885012208017	885012208052	885012208087
885012008003	885012008038	885012208018	885012208053	885012208088
885012008004	885012008039	885012208019	885012208054	885012208089
885012008005	885012008040	885012208020	885012208055	885012208090
885012008006	885012008041	885012208021	885012208056	885012208091
885012008007	885012008042	885012208022	885012208057	885012208092
885012008008	885012008043	885012208023	885012208058	885012208093
885012008009	885012008044	885012208024	885012208059	885012208094
885012008010	885012008045	885012208025	885012208060	885012208122
885012008011	885012008046	885012208026	885012208061	885012208123
885012008012	885012008047	885012208027	885012208062	885012108001
885012008013	885012008048	885012208028	885012208063	885012108002
885012008014	885012008049	885012208029	885012208064	885012108003
885012008015	885012008050	885012208030	885012208065	885012108004
885012008016	885012008051	885012208031	885012208066	885012108005
885012008017	885012008052	885012208032	885012208067	885012108006
885012008018	885012008053	885012208033	885012208068	885012108007
885012008019	885012008054	885012208034	885012208069	885012108008
885012008020	885012008055	885012208035	885012208070	885012108009
885012008021	885012208001	885012208036	885012208071	885012108010
885012008022	885012208002	885012208037	885012208072	885012108011
885012008023	885012208003	885012208038	885012208073	885012108012
885012008024	885012208004	885012208039	885012208074	885012108013

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885012008025	885012208005	885012208040	885012208075	885012108014
885012008026	885012208006	885012208041	885012208076	885012108015
885012008027	885012208007	885012208042	885012208077	885012108016
885012008028	885012208008	885012208043	885012208078	885012108017
885012008029	885012208009	885012208044	885012208079	885012108018
885012008030	885012208010	885012208045	885012208080	885012108019
885012008031	885012208011	885012208046	885012208081	885012108020
885012008032	885012208012	885012208047	885012208082	885012208085
885012008033	885012208013	885012208048	885012208083	885012208050
885012008034	885012208014	885012208049	885012208084	885012208015
885012008035	885012108021			

- We correct the **value of the tolerance of the length (L)** for the following part numbers:

Part numbers	Old value (in mm)	New value (in mm)
885012205086	±0.05	±0.20
885012106005	+0.15/-0.1	±0.20
885012106025	+0.15/-0.1	±0.20
885012106029	+0.15/-0.1	±0.20
885012206091	+0.15/-0.10	±0.1
885012008009	±0.2	+0.3/-0.1
885012008010	±0.2	+0.3/-0.1
885012206076	+0.15/-0.10	±0.20
885012206121	±0.15	+0.15/-0.10
885012207103	±0.15	±0.20
885012105008	±0.20	+0.15/-0.05
885012105020	±0.20	+0.20/-0
885012106006	±0.20	+0.15/-0.05
885012207002	±0.20	±0.10
885012207003	±0.20	+0.15/-0.05
885012207025	±0.20	±0.10
885012207026	±0.20	±0.10
885012207053	±0.20	±0.10
885012107005	±0.15	+0.15/-0.05
885012107006	±0.15	+0.20/-0.00
885012107011	±0.20	+0.20/-0.00
885012208019	+0.3/-0.1	±0.20
885012208041	+0.3/-0.1	±0.20
885012208069	+0.3/-0.1	±0.20
885012208094	+0.3/-0.1	±0.20
885012108004	+0.3/-0.1	±0.20
885012108005	+0.3/-0.1	±0.20
885012108012	+0.3/-0.1	±0.20
885012108018	+0.3/-0.1	±0.20
885012209006	±0.40	±0.30
885012209048	±0.40	±0.30
885012109002	±0.40	±0.30
885012109003	±0.40	±0.30
885012109004	±0.40	±0.30
885012109006	±0.40	±0.30

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885012109007	±0.40	±0.30
885012109010	±0.40	±0.30
885012109011	±0.40	±0.30
885012109014	±0.40	±0.30
885012209073	±0.40	±0.30
885012209075	±0.40	±0.30
885012207128	±0.20	±0.15
885012007009	±0.20	±0.15
885012207046	±0.20	±0.15
885012207050	±0.20	±0.15
885012007044	±0.20	±0.15
885012007092	±0.20	±0.15

- We correct the **value of the tolerance of the width (W)** for the following part numbers:

Part numbers	Old value (in mm)	New value (in mm)
885012205086	±0.05	±0.20
885012106025	+0.15/-0.1	±0.20
885012106029	+0.15/-0.1	±0.20
885012206091	+0.15/-0.10	±0.1
885012008009	±0.2	+0.3/-0.1
885012008010	±0.2	+0.3/-0.1
885012206076	+0.15/-0.10	±0.20
885012106005	+0.15/-0.10	±0.20
885012206121	±0.15	+0.15/-0.10
885012207103	±0.1	±0.20
885012105008	±0.20	+0.15/-0.05
885012105020	±0.20	+0.20/-0
885012106006	±0.20	+0.15/-0.05
885012207002	±0.20	±0.10
885012207003	±0.20	+0.15/-0.05
885012207025	±0.20	±0.10
885012207026	±0.20	±0.10
885012207053	±0.20	±0.10
885012107005	±0.10	+0.15/-0.05
885012107006	±0.10	+0.20/-0.00
885012107011	±0.20	+0.20/-0.00
885012208019	+0.3/-0.1	±0.20
885012208041	+0.3/-0.1	±0.20
885012208069	+0.3/-0.1	±0.20
885012208094	+0.3/-0.1	±0.20
885012108004	+0.3/-0.1	±0.20
885012108005	+0.3/-0.1	±0.20
885012108012	+0.3/-0.1	±0.20
885012108018	+0.3/-0.1	±0.20
885012209006	±0.30	±0.20
885012209048	±0.30	±0.20
885012109002	±0.30	±0.20
885012109003	±0.30	±0.20
885012109004	±0.30	±0.20

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885012109006	± 0.30	± 0.20
885012109007	± 0.30	± 0.20
885012109010	± 0.30	± 0.20
885012109011	± 0.30	± 0.20
885012109014	± 0.30	± 0.20

RELIABILITY / QUALIFICATION SUMMARY:

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