

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

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Product/Process Change Notice (PCN)

- Major change
 Minor change

PCN #: WE-CBF_20171201_Capacity_Increase

Product Affected: WE-CBF

PCN Date: September 1st 2017

Effective Date: December 1st 2017

- Product Mark
 Date Code
 Packaging
 Others

Contact: Product Management

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Attachment: Yes No

Samples:

DESCRIPTION AND PURPOSE OF CHANGE:

In order to increase the production capacity of the Product Series WE-CBF, Würth Elektronik will move parts from the production line of the affected part numbers indicated by the lot number starting with 241 xxx xxx xxx x0x to a new building.

**DETAIL OF CHANGE:**

1. Neither electrical nor mechanical properties of the part will change.
2. Process & Machine approval is according to internal requirements released by the Quality Department and the Product Management Department.
3. Affected part numbers:

WE-CBF 0402

742792711
7427927110
7427927115
7427927140
7427927261
7427927280
7427927281

WE-CBF 1210

7427923
74279230
74279231
742792310
742792311
742792312

WE-CBF 1806

7427924
74279243

WE-CBF 1812

7427925
74279252
74279253

WE- CBF 0603

74279260
742792604
742792605
742792605R
742792608
74279261

WE-CBF 0603

74279261R
742792621
742792624
74279263
74279264
742792641

WE-CBF 0603

742792641R
742792642
742792642R
74279264R
74279266
74279268

WE-CBF 0603

742792692
742792693
742792693R
742792693T
742792693TR
S14100101

WE- CBF 0805

7427920
74279202
74279202R
74279203
742792035
742792036

WE-CBF 0805

742792038
742792042
742792042R
74279205R
74279206
742792062

WE-CBF 0805

74279208
74279209
742792092
742792092T
742792092TR
742792093

WE-CBF 0805

742792093R
742792093T

WE- CBF 1206

7427921
74279210
74279211
742792110
742792111
742792113

WE- CBF 1206

742792113R
742792114
742792114R
742792122
742792124
74279213

WE- CBF 1206

742792131
742792133
74279213R
74279214
74279215
74279215R

WE- CBF 1206

74279216
74279218
74279218R



4. The status of the location change can be tracked by the lot number.
 241 xxx xxx xxx x0x will indicate a shipment from the current location.
 241 xxx xxx xxx x1x will indicate a shipment from the new location.

RELIABILITY / QUALIFICATION SUMMARY:

After the complete movement is done the WE-CBF series will be verified by an internal WE-Reliability Test.

	Test	Qty	Reference	Test conditions
1	High Temperature Exposure (Storage)	0/30	MIL-STD-202 Method 108	Preconditioning : 1 time lead-free Heat exposure Temperature: 125±3°C* Testing time: 500h Unpowered. Measurement at 24±2 hours after test conclusion.
2	Moisture Resistance	0/30	MIL-STD-202 Method 106	Preconditioning : 1 time lead-free Heat exposure Time/Cycle = 24 h; Temperature: 65±2°C 500h, Humidity: 95%, Unpowered. Measurement at 24±2 hours after test conclusion.
3	Operational Life	0/30	MIL-PRF-27	Preconditioning : 1 time lead-free Heat exposure Testing time: 1000h Temperature: Ambient Temp. 85±5°C* + rated current = 125°C* Measurement at 24±2 hours after test conclusion.
4	Terminal Strength (SMD)	0/30	internal spec.	Preconditioning : Solder components on test board (lead-free) Apply an individual force for 60 seconds. Please refer the attached table in the description below.
5	Vibration	0/30	MIL-STD-202 Method 204	Preconditioning : Solder components on test board (lead-free) 10g's for 20 minutes, 12 cycles each of 3 orientations. Note: Use 8"X5" PCB, .031" thick, 7 secure points on one long side and 2 secure points at corners of opposite sides. Parts mounted within 2" from any secure point. Test from 15-2000 Hz.
6	Five Time Reflow	0/30	J-STD-020D	Lead -free soldering profile: Peak temperature according to table 4.2 of the J-STD-020
7	Solderability	0/30	JESD22-B102	For both Leaded & SMD. Electrical Test not required. Magnification 50X. Conditions: SMD: a) Method B, Steam Aging 4 hrs @ 98% r.H.@ 245°C
8	Thermal Shock	0/30	MIL-STD-202 Method 107	Preconditioning : 1 time lead-free Heat exposure Temperature: -40°C/+125°C* Dwell time is 30 minutes. Cycles: 300 Transfer time max. 20s.
9	Board Flex	0/30	AEC-Q200-005	Preconditioning : Solder components on test board (lead-free) Appendix 2 Note: 2mm (Min) Sample size: 30
10	Low Temperature Storage Life	0/30	JESD22-A119	Preconditioning : 1 time lead-free Heat exposure Temperature: -55±3°C Testing time: 500h Measurement at 24±2 hours after test conclusion.

Note: *Use max. or min. temperatures according Würth Elektronik data sheet (current version) 30 pcs of each DUT (Device Under Test)

DATA SHEET CHANGE:

Yes

No