

Product/Process Change Notice (PCN)



- Major change
 Minor change

PCN #: PCN_FeCBF_20150507_Capacity_Increase

Product Affected: WE-CBF

Effective Date: 01.09.2015

- Product Mark
 Date Code
 Packaging
 Others

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Attachment: Yes No

Samples:

DESCRIPTION AND PURPOSE OF CHANGE:

In order to increase the production capability Würth Elektronik eiSos GmbH & Co. KG will implement another production line.

Process approval is according to internal requirements released by the Quality Department and the Product Management Department.

DETAIL OF CHANGE:

- Neither electrical nor mechanical properties of the part will be changed.
The production lines can be identified by the first three digits of the lot number.
- Lot No. of already established production line:
Lot number starting with 187
Country of Origin: Taiwan

Lot No. of additional production line:
Lot number starting with 241
Country of Origin: Taiwan
- Affected part numbers:

Size	Part number
0805	742792034
	74279207
	74279209
	742792038
	742792012
	74279207R

Size	Part number
1206	74279214
1806	7427924
	74279243
	74279245
1812	7427925
	74279253

RELIABILITY / QUALIFICATION SUMMARY:

Please see the Reliability Overview as below. All Tests were passed

	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**Würth Elektronik eiSos GmbH & Co. KG**

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