



Product/Process Change Notice (PCN)

- Major Change
 Minor Change

PCN Number: PCN_FrqSPXO_20250219 Affected Series: WE-SPXO Affected Part Number: See table below PCN Date: 2024-11-19 (YYYY-MM-DD) Effective Date: 2025-02-19 (YYYY-MM-DD)	Change Category: <input type="checkbox"/> Equipment/Location <input checked="" type="checkbox"/> General Data <input type="checkbox"/> Material <input type="checkbox"/> Process <input type="checkbox"/> Product Design <input type="checkbox"/> Shipping/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> 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: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Attachment: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

DESCRIPTION OF CHANGE:

Because of a database mismatch, Würth Elektronik eiSos will correct the RoHs status (1), packaging details (2), product dimensions (3), solder pad layout (4), IQD Part No. format (5), ageing (6), output compatibility (7), drive capability (8), duty cycle (9), environmental parameters (10), rise and fall time (11) and current draw (12) in the datasheet.

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

Affected Part number:

831009437	831009440	831009441	831017885	831018036
831018037	831018038	831018039	831018040	831018041
831018042	831018043	831018044	831018045	831018077
831018287	831018379	831018534	831018538	831018541
831018545	831018577	831018610	831018785	831019170
831019203	831019710	831019870	831019928	831019966
831019987	831019992	831020184	831020392	831020465
831020466	831021270	831021890	831022731	831022825
831021619	831026192	830201917301	830202113701	830202153701
830202228901	830202670501	830202006501	830202082801	830202006101
830201912501	830202089901	830202082701		

DETAILS OF CHANGE:

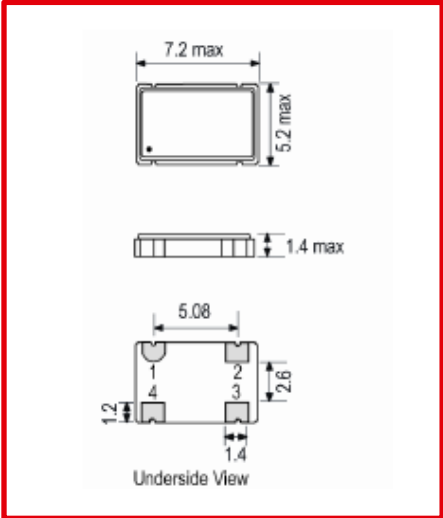
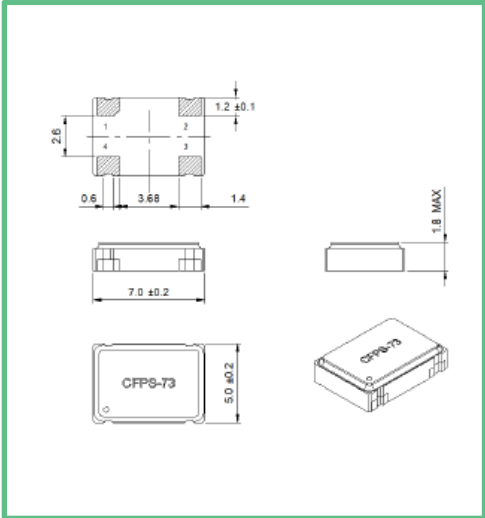
1. Correction of the RoHS Status:

	Before	After
RoHS Status	Compliant (2011/65/EU)	Compliant (2015/863/EU)

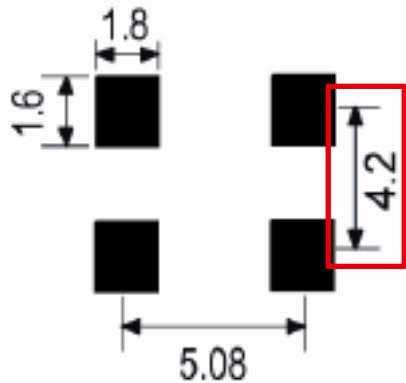
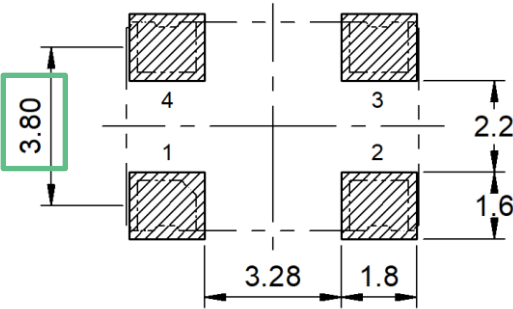
2. Correction of the Packaging Details:

	Before	After
Packaging Details	Tape & reel in accordance with EIA-481-D, Pack Size: 1,000	Tape & reel in accordance with EIA-481, Quantities below the standard reel size to be supplied on cut tape. Standard Quantity: 1,000 Pieces

3. Correction of the Product Dimensions:

	Before	After
Product Dimensions		
L	7.2 max	7.0 ± 0.2
W	5.2 max	5.0 ± 0.2
H	1.4 max	1.8 max

4. Correction of the Solder Pad Layout:

	Before	After
Solder Pad Layout		

5. Update of IQD Part No.:

Due to internal standardization the last 4 digits identifying the packaging type have been removed from the IQD Part No. format.

	Before	After
IQD Part No.	LFSPXOXXXXXXReel e.g. LFSPX0018610Reel	LFSPXOXXXXXX e.g. LFSPX0018610

6. Correction of the Ageing:

	Before	After
Ageing	±3 ppm per year max	±5 ppm per year

7. Correction of the Output Compatibility:

	Before	After
Output Compatibility	HCMOS	CMOS



8. Correction of the Drive Capability:

	Affected Part numbers	Before	After
Drive Capability	831018610, 831018041, 831018379 831018534, 831018045, 831021890 831018036, 831019928, 831018037 831018785, 831019966, 831020465 831018538, 831020184, 831018038 831019710, 831020466, 831020392 831018039, 831019992, 831018541 831021270, 831018077, 831019170 831018040, 831019203, 831017885 831018042, 831019870, 831018043 831018287, 831018577, 831018044 831019987, 830201912501 830202670501, 830202153701 831021619, 830202006101 830201917301, 830202006501, 830202089901, 830202228901, 830202082701, 830202082801	15 pF std, 50 pF max	15 pF typ, 30 pF max
	831009437, 831022731, 831009440 831022825	15 pF max	15 pF typ, 30 pF max

9. Correction of the Duty Cycle:

	Before	After
Duty Cycle	45/55%	40/60%

10. Standardization of Environmental Parameters:

Due to internal standardization, it has been decided to update the shock and vibration specification to align with the test condition of the AEC-Q200.

	Before	After
Shock	MIL-STD-202, Method 213, Condition E.	Half Sine shock pulse with peak acceleration 500 g; Pulse duration: 0.3 ms
Vibration	MIL-STD-883, Method 2007, Condition A.	Vibration: MIL-STD-202 Method 204. 5 g for 20 minutes, 12 cycles in each of the 3 orientations, 10 - 2000 Hz. As per Table 11 of AEC-Q200.



11. Correction of the Rise and Fall Time:

	Affected Part numbers	Before	After
Rise and Fall time	831009437, 831022731, 831009440, 831022825	4.0 ns max	5.0 ns max

12. Correction of the Current Draw:

	Affected Part numbers	Before	After
Current Draw	831020392	7 mA	38 mA
	831018039, 831019992, 831018541, 831021270 831018077, 831019170, 830201917301, 830202006501, 830202089901	12 mA	38 mA
	831018040, 831019203, 831017885, 831018042, 831019870, 831018043, 831018287, 831018577, 830202228901, 830202082701, 830202082801	20 mA	38 mA
	831018044, 831019987, 831018545, 831026192, 830202113701	25 mA	38 mA
	831009441	30 mA	38 mA
	831009437, 831022731 831009440, 831022825	40 mA	65 mA

RELIABILITY / QUALIFICATION OF CHANGE:

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