

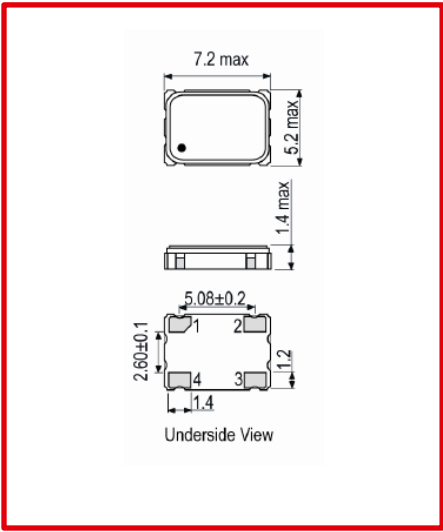
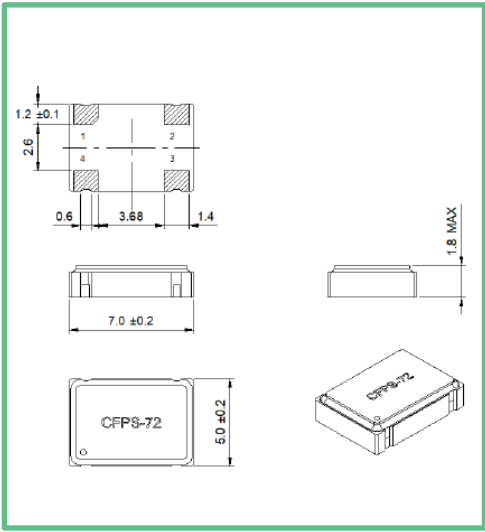


<h2>Product/Process Change Notice (PCN)</h2>																															
<input checked="" type="checkbox"/> Major Change <input type="checkbox"/> Minor Change																															
<b>PCN Number:</b> PCN_FrqSPXO_20250213  <b>Affected Series:</b> WE-SPXO  <b>Affected Part Number:</b> See table below  <b>PCN Date:</b> 2024-11-13 (YYYY-MM-DD) <b>Effective Date:</b> 2025-02-13 (YYYY-MM-DD)	<b>Change Category:</b> <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																														
<b>Contact:</b> Product Management  <b>Phone:</b> +49 (0) 7942 - 945 5001  <b>Fax:</b> +49 (0) 7942 - 945 5179  <b>E-Mail:</b> pcn.eisos@we-online.com	<b>Datasheet Change:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <b>Attachment:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																														
<b>DESCRIPTION OF CHANGE:</b> <p>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), output compatibility (6), drive capability (7), duty cycle (8), environmental parameters (9), rise and fall time (10) and current draw (11) in the datasheet.</p> <p>This is a datasheet correction only. There will be no change in form, fit, function, quality or reliability of the product.</p>																															
<b>Affected part numbers:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 20%;">831009443</td> <td style="width: 20%;">831017735</td> <td style="width: 20%;">831018032</td> <td style="width: 20%;">831018033</td> <td style="width: 20%;">831018034</td> </tr> <tr> <td>831018035</td> <td>831018739</td> <td>831018871</td> <td>831019079</td> <td>831019082</td> </tr> <tr> <td>831019083</td> <td>831019137</td> <td>831019275</td> <td>831019805</td> <td>831019884</td> </tr> <tr> <td>831020502</td> <td>830202129201</td> <td>830201878701</td> <td>830202536501</td> <td>830201927401</td> </tr> <tr> <td>830202023201</td> <td>830201828901</td> <td>830202166801</td> <td>830201996701</td> <td>830201968202</td> </tr> <tr> <td>830202162201</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		831009443	831017735	831018032	831018033	831018034	831018035	831018739	831018871	831019079	831019082	831019083	831019137	831019275	831019805	831019884	831020502	830202129201	830201878701	830202536501	830201927401	830202023201	830201828901	830202166801	830201996701	830201968202	830202162201				
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<b>DETAILS OF CHANGE</b> 1. Correction of the RoHs Status: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 40%; color: red;">Before</th> <th style="width: 40%; color: green;">After</th> </tr> </thead> <tbody> <tr> <td>RoHS Status</td> <td>Compliant (2011/65/EU)</td> <td>Compliant (2015/863/EU)</td> </tr> </tbody> </table>			Before	After	RoHS Status	Compliant (2011/65/EU)	Compliant (2015/863/EU)																								
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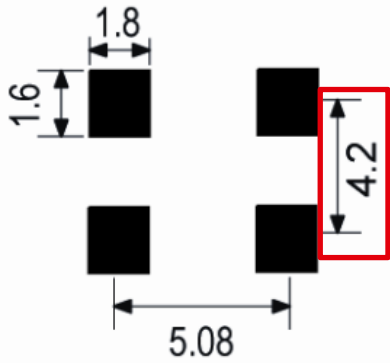
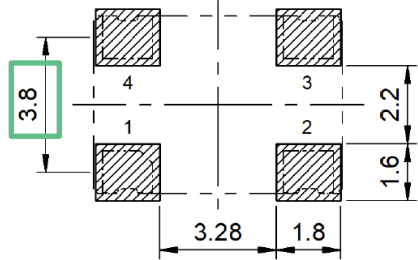
2. Correction of the Packaging Details:

	Before	After
Packaging Details	Tape & reel in accordance with EIA-481-D, <b>Pack Size: 1,000</b>	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.	LFSPX0XXXXXXReel e.g. LFSPX0025365Reel	LFSPX0XXXXXX e.g. LFSPX0025365

6. Correction of the Output Compatibility:

	Before	After
Output Compatibility	HCMOS/TTL	CMOS

7. Correction of the Drive Capability:

	Before	After
Drive Capability	15 pF typ, 50 pF max	15 pF typ, 30 pF max



8. Correction of the Duty Cycle:

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

9. 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.

10. Correction of the Rise and Fall Time:

	Affected Part numbers	Before	After
Rise and Fall Time	831019082	6.0 ns max	10.0 ns max
	831018035, 831009443, 830201968202, 830202162201	6.0 ns max	5.0 ns max



11. Correction of the Current Draw:

	Affected Part numbers	Before	After
Current Draw	831018033, 831020502, 831019079, 830202129201, 831017735, 830202536501, 831018034, 831019275, 830202023201, 830201828901, 830201996701, 830201927401, 830202166801	20 mA	23 mA
	831018032, 830201878701	20 mA	35 mA
	831019082, 831019083	30 mA	35 mA
	831018739, 831019137, 831018871, 831019805, 831019884	50 mA	35 mA
	831009443, 830202162201	70 mA	60 mA

**RELIABILITY / QUALIFICATION OF CHANGE:**

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