

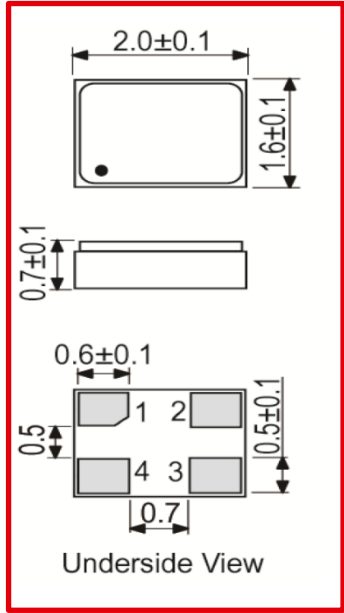
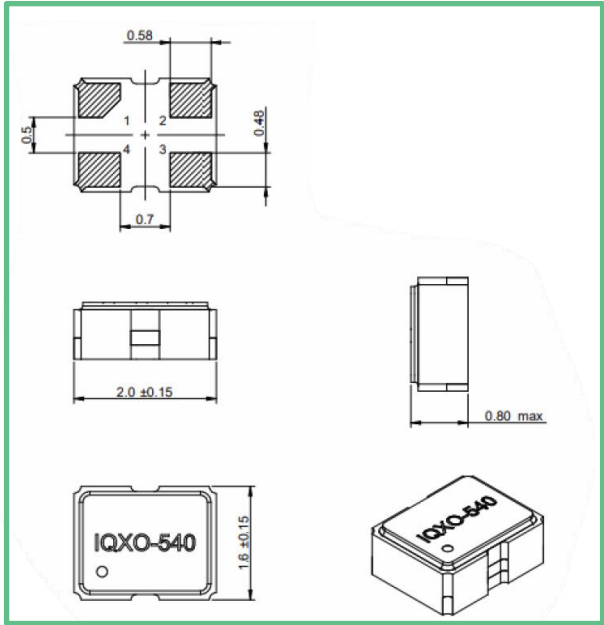


<b>Product/Process Change Notice (PCN)</b>																										
<input type="checkbox"/> Major Change <input checked="" type="checkbox"/> Minor Change																										
<b>PCN Number:</b> PCN_FrqSPXO_20250225  <b>Affected Series:</b> WE-SPXO  <b>Affected Part Number:</b> See table below  <b>PCN Date:</b> 2024-11-25 <b>Effective Date:</b> 2025-02-25	<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), standby current (2), packaging details (3), product dimensions (4), solder pad layout (5), IQD part number (6), duty cycle (7), environmental parameters (8), rise and fall time (9) and current draw (10) 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>																										
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<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td>831056168</td> <td>831056216</td> <td>831056221</td> <td>830208216709</td> <td>830208217609</td> </tr> <tr> <td>831056169</td> <td>831056217</td> <td>831056222</td> <td>830208216809</td> <td>830208217809</td> </tr> <tr> <td>831056188</td> <td>831056218</td> <td>831056223</td> <td>830208217009</td> <td>830208217909</td> </tr> <tr> <td>831056214</td> <td>831056219</td> <td>830208216409</td> <td>830208217109</td> <td>830208218109</td> </tr> <tr> <td>831056215</td> <td>831056220</td> <td>830208216609</td> <td>830208217409</td> <td>830208218209</td> </tr> </tbody> </table>		831056168	831056216	831056221	830208216709	830208217609	831056169	831056217	831056222	830208216809	830208217809	831056188	831056218	831056223	830208217009	830208217909	831056214	831056219	830208216409	830208217109	830208218109	831056215	831056220	830208216609	830208217409	830208218209
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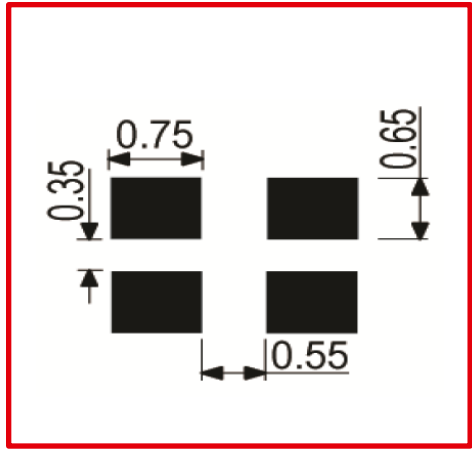
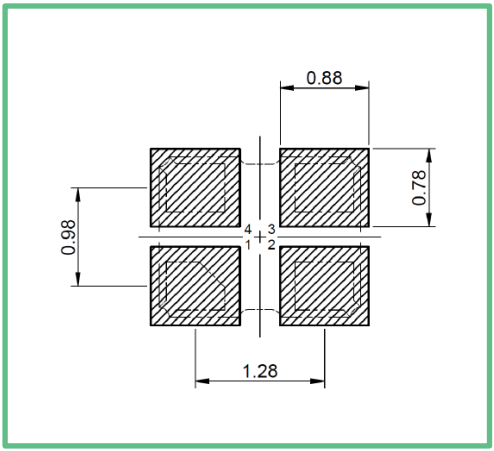


<b>DETAILS OF CHANGE:</b>			
1. Correction of the RoHS Status:			
	<b>Before</b>	<b>After</b>	
RoHS Status	Compliant (2011/65/EU)	Compliant (2015/863/EU)	
2. Correction of Standby Current:			
	<b>Before</b>	<b>After</b>	
Standby Current	10 µA max (pad 1 at logic '0')	0.6 µA typ @25 °C 10 µA max	
3. Correction of the Packaging Details:			
	<b>Affected Part Numbers</b>	<b>Before</b>	<b>After</b>
Packaging Details	831056168, 831056216, 831056169, 831056217, 831056188, 831056218, 831056214, 831056219, 831056215, 831056220, 831056221, 831056222, 831056223	<b>Pack Style: Reel</b> Tape & reel in accordance with EIA-481 <b>Standard Pack Quantity: 1,000</b>	Tape & reel in accordance with EIA-481 Quantities below the standard reel size to be supplied on cut tape <b>Standard Quantity: 3,000 Pieces</b>
	830208216409, 830208216609, 830208216709, 830208217609, 830208216809, 830208217809, 830208217009, 830208217909, 830208217109, 830208218109, 830208217409, 830208218209	<b>Pack Style: RL3K</b> Tape & reel in accordance with EIA-481 <b>Standard Pack Quantity: 3,000</b>	Tape & reel in accordance with EIA-481 Quantities below the standard reel size to be supplied on cut tape <b>Standard Quantity: 3,000 Pieces</b>

4. Correction of the Product Dimensions:

	Before	After
Product Dimensions		
L	2.0 ± 0.1	2.0 ± 0.15
W	1.6 ± 0.1	1.6 ± 0.15
H	0.7 ± 0.1	0.80 max

5. Correction of the Solder Pad Layout:

	Before	After
Solder Pad Layout		



6. 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.	LFSPXXXXXXXReel or LFSPXXXXXXXRL3K e.g. LFSPX0056168Reel, LFSPX0082166RL3K	LFSPXXXXXXX e.g. LFSPX0056168, LFSPX0082166

7. Correction of the Duty Cycle:

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

8. 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
Storage Temperature Range	-40 to 85 °C	-55 to 125 °C
Shock and Vibration	Impact: Weight of 10 g dropped to centre of part from a height of 6 mm Vibration: IEC 60068-2-6: 1.5 mm amplitude, 10 Hz-55 Hz, 1 min in 3 mutually perpendicular planes, duration 2 hrs each plane (total 6 hrs)	Shock: Half sine shock pulse with peak acceleration 500 g; Pulse duration: 0.3 ms 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.

9. Correction of the Rise and Fall Time:

	Before	After
Rise and Fall time	5.0 ns max	7.0 ns max



10. Correction of the Current Draw:

	Affected Part Numbers	Before	After
Current Draw	830208216409, 830208216609, 831056168, 830208216709, 830208216809, 831056169	3 mA	5 mA
	831056188, 830208217009, 831056214	3 mA	15 mA
	831056215, 831056216, 830208217109, 831056217, 830208217409, 831056218, 831056219, 830208217609, 831056220, 830208217809, 830208217909, 830208218109	5 mA	15 mA
	831056221, 831056222, 831056223, 830208218209	6 mA	15 mA

**RELIABILITY / QUALIFICATION OF CHANGE:**

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