

ATTN: _____

SEIKO EPSON CORPORATION
Sales & Marketing Division.
Device Sales & Marketing Dept.
MICRODEVICES Operations Division.
TD Production Management Control Dept.

SUB: EOL Notice of Mold-type/Cylinder-type MHz range Crystal Unit

Dear Valued Customer:

Thank you for choosing SEIKO EPSON CORPORATION for your product. EPSON maintains a continuous effort to increase performance, delivery and flexibility of our product.

We would like to inform you that we will EOL the products as follows.

1. Products Affected : Mold-type / Cylinder-type MHz range Crystal Unit

Product Name	P/N
MA-306	Q22MA3061xxxx xx Q22MA3062xxxx xx
MA-406	Q22MA4061xxxx xx Q22MA4062xxxx xx
MA-505/MA-506	Q22MA5051xxxx xx/Q22MA5061xxxx xx Q22MA5052xxxx xx/Q22MA5062xxxx xx
CA-301	Q21CA3011xxxx xx

2. Recommended Alternative Models

Although it is not pin compatible, please consider replacing with FA-238 / FA-238V / FA-20H / FA-128 series.

There is no replacement for the frequency range between 4.0000MHz to <12.0000MHz.

3. EOL Schedule

Last time buy	September 30, 2020
Last shipping	March 30, 2021

4. Reason for EOL

Due to the aging of production facilities of our partner factory in Malaysia and the drastic decrease in the number of orders, it became difficult to maintain continuous production.

5. Request

If you have any concern and/or request, please contact your regional SEIKO EPSON CORP. Timing Device sales office.

Sincerely yours,

【References】

Products Affected (External Dimensions/Footprint) Unit: mm

<p>● MA-306</p> <p>Do not connect #2 and #3 to external device.</p>																		
<p>● MA-406</p> <p>Do not connect #2 and #3 to external device.</p>																		
<p>● MA-505 / 506</p> <p>Do not connect #2 and #3 of MA-506 to external device.</p>	<p>● MA-505</p> <p>● MA-506</p>																	
<p>● CA-301</p> <table border="1" data-bbox="683 1888 1396 1989"> <thead> <tr> <th>Frequency</th> <th>L1</th> <th>L2</th> <th>D1</th> <th>D2</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>Under 5.5 MHz</td> <td>9.3 Max.</td> <td>9.5 Min.</td> <td>φ 3.1 Max.</td> <td>φ 0.3</td> <td>1.1</td> </tr> <tr> <td>Over 5.5 MHz</td> <td>8.9 Max.</td> <td>9.5 Min.</td> <td>φ 3.1 Max.</td> <td>φ 0.3</td> <td>1.1</td> </tr> </tbody> </table>	Frequency	L1	L2	D1	D2	B	Under 5.5 MHz	9.3 Max.	9.5 Min.	φ 3.1 Max.	φ 0.3	1.1	Over 5.5 MHz	8.9 Max.	9.5 Min.	φ 3.1 Max.	φ 0.3	1.1
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Recommended alternative model (External Dimensions/Footprint) Unit: mm

