

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

SPXO SG-210STF non-standard frequency EOL

Dear Valued Customer,

Thank you for choosing SEIKO EPSON CORP. Timing Products as your products of choice.

SEIKO EPSON CORP. always tries to improve the characteristics and performance of our products.

As we already indicated in the Pre-announcement No. 19-031, we are now announcing the EOL of some of our SPXO SG-210STF products.

1. Products Affected, Recommend Alternatives and Schedule

- All non-standard frequencies of SG-210STF are subject to this EOL (refer to doc 19-031 for the standard frequency list)
- Recommended Alternative: If you choose to switch to SG-210STF with standard frequency, please note that this will be the new 4M product announced under doc 19-015

2. Schedule

Product Last time Buy: 24-September-2021

Product Last shipment: 31-March-2022

We would greatly appreciate your approval of this EOL notice and issue your LTB of the affected products by above schedule.

If you have any questions or require additional information about this notice, please contact your local EPSON device sales representative.

Sincerely yours,

Seiko Epson Corporation
Microdevices Operations Div.

Annex 1:

19-015 SPXO SG-210STF Product change notice



Notice No. : 19-015E
15/Oct/2019

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

SUB: SPXO SG-210STF Product change notice

Dear Valued Customer,

Thank you for choosing SEIKO EPSON CORPORATION for your product. EPSON maintains a continuous effort to improve the production and delivery performance of its product.

We will change following items of SPXO SG-210STF.
We appreciate your understanding and approval for this change.

1. Affected Products

Product name	PIN
SG-210STF	X1G004171xxxx xx

2. Description of changes

Change Items	Before PCN	After PCN
Appearance		
Ceramic package	Without sealing material	With sealing material (Same as other models currently in our mass production)
Lid	With sealing material	Without sealing material (Same as other models currently in our mass production)
Frequency Temperature Characteristics	<Standard> S: $\pm 25 \times 10^{-6}$ (-20°C ~ +70°C) L: $\pm 50 \times 10^{-6}$ (-40°C ~ +85°C) Y: $\pm 50 \times 10^{-6}$ (-40°C ~ +105°C) W: $\pm 100 \times 10^{-6}$ (-40°C ~ +105°C)	<Standard> S: $\pm 25 \times 10^{-6}$ (-20°C ~ +70°C) L: $\pm 50 \times 10^{-6}$ (-40°C ~ +85°C) Y: $\pm 50 \times 10^{-6}$ (-40°C ~ +105°C) W: $\pm 100 \times 10^{-6}$ (-40°C ~ +105°C) <Custom> Z: $\pm 100 \times 10^{-6}$ (-40°C ~ +125°C) X: $\pm 150 \times 10^{-6}$ (-40°C ~ +125°C)

*For custom specifications, please contact us.

SEIKO EPSON CORPORATION MICRODEVICES Operations Division, Timing Device Production Management Control Department.
8540 Nakaminowa, minowa-machi, kamijima-gun, Nagano-ken 395-8506 JAPAN



3. Reason

By changing the current package supplier, we will ensure a continuous and stable supply system for customers in the future.

4. Schedule

Please contact your responsible Sales Member individually for sample delivery schedule.

Sample submission	Reliability data submission	Discontinue production of current packaged products
Available	Available	March, 2021

Please contact your area EPSON device sales office, if you have any concern of this PCN.

Sincerely yours,

Seiko Epson Corporation
Microdevices Operations Div.

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8540 Nakaminowa, minowa-machi, kamijima-gun, Nagano-ken 395-8506 JAPAN

19-031 SG-210STF EOL Pre-Announcement



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

SG-210STF EOL Pre-Announcement

Dear Valued Customer,

Thank you for choosing SEIKO EPSON CORPORATION for your product. EPSON maintains a continuous effort to improve the production and delivery performance of its product.

We apologize for any inconvenience, but we appreciate your support on the following change for our SPXO SG-210STF:

1) Set SG-210STF Standard Frequency List

STD Frequency (MHz)							
1	4.000000	6	14.745600	11	25.000000	16	33.333300
2	8.000000	7	16.000000	12	26.000000	17	40.000000
3	10.000000	8	20.000000	13	27.000000	18	48.000000
4	12.000000	9	24.000000	14	32.000000	19	50.000000
5	12.288000	10	24.576000	15	33.330000	20	72.000000

2) Support other than the standard frequency list

All frequencies except above mentioned standard frequencies are subject to this EOL.
 At this stage we estimate at "Last Time Buy" date around September 2021.

For replacement of affected EOL parts, please consider SG-8018CG or SG-8101CG.
 When replacing with SG-8018CG or SG-8101CG, please confirm pin 1 terminal function.

3) Reason

This is an integration to establish a quick and continuous supply system for customers.

Please contact your local EPSON Sales representative if you have any concern.
 Please also let us know in case of issues with your demand for the parts in non-standard frequencies.

Sincerely yours,

Seiko Epson Corporation
 Microdevices Operations Div.

SEIKO EPSON CORPORATION
 MICRODEVICES Operations Division, Timing Device Production Management Control Department,
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Notes for #1 pin function

	SG-210 Series SG-310 Series SG5032CAN SG7050CAN		SG-8101 series SG-8018 series	
#1 pin function	Standby Function ($\overline{\text{ST}}$)		Standby Function ($\overline{\text{ST}}$)	
	#1 status	Function	#1 status	Function
	High or Open	Enable output	High only	Enable output
	Low	Standby	Low	Standby

SG-8101 and SG-8018 series #1 pin is not designed for "Open" status use.
 Please apply "High" level voltage to #1 pin when enable output.

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 8548 Nakamino-cho, minowa-machi, kamihara-gun, Nagano-ken 380-8595 JAPAN

Annex 2:

SG-210STF Standard Frequency List

STD Frequency (MHz)							
1	4.000000	6	14.745600	11	25.000000	16	33.333300
2	8.000000	7	16.000000	12	26.000000	17	40.000000
3	10.000000	8	20.000000	13	27.000000	18	48.000000
4	12.000000	9	24.000000	14	32.000000	19	50.000000
5	12.288000	10	24.576000	15	33.330000	20	72.000000