

Notice No.: (SP) 11-033E
11-054E
11-059E
20. December 2011

SEIKO EPSON CORPORATION
MICRODEVICE Operation Div. TDBU
EPSON TOYOCOM CORPORATION

Fukushima Factory Products – Production Site Change and EOL

Dear Valued Customer:

Thank you for choosing EPSON TOYOCOM CORPORATION for your products.

As announced previously, our Fukushima factory had to be shut down due to its close location (16km) from Fukushima Daiichi Nuclear Power Station of Tokyo Electric Power Company, Incorporated. Government evacuation order is within 20km from the nuclear plant. We are terribly sorry to announce the following Product Site Change (PCN) and End-of-Life (EOL).

1. Product Site Change:

1. Products affected:

- VG-4501CA (80MHz ≤ f ≤ 125MHz)
- VG-4502CA (80MHz ≤ f ≤ 125MHz)
- VG-4512CA (80MHz ≤ f ≤ 200MHz)
- SG-770SCD / SDD
- SG-771PCD

2. Change item: production site

- 1) Current site: EPSON TOYOCOM CROP. Fukushima
65-1, Iizaki-Minamihara, Odaka-Ku,
Minamisoma-shi, Fukushima Pref., Japan
- 2) New site: EPSON TOYOCOM THAILAND LTD. (ETTH)
239-239/1 Moo 7, Gateway City Industrial Estate,
T. Huasamrong, A. Pleang Yao, Chachoengsao 24190, Thailand

3. Schedule:

Sample: take request from Dec. 2011
shipment of samples from approx. middle of March 2012
Reliability data: end of April 2012
Shipping: MP shipping will start from May 2012

2. End-of-Life - VCXO

1. Products affected:

- VG-4501CA (f < 80MHz)
- VG-4502CA (f < 80MHz)
- VG-4511CA
- VG-4512CA (f < 80MHz)
- VG-4531CB

2. Alternative parts:

- VG-4501CA → 60MHz ≤ f < 80MHz: VG-4232CA
- VG-4502CA → 60MHz ≤ f < 80MHz: No alternative parts
- VG-4511CA: No alternative parts
- VG-4512CA → 60MHz ≤ f < 80MHz: No alternative parts
- VG-4531CB → 60MHz ≤ f < 80MHz: VG-4231CB
- VG-4531CB → 80Mhz ≤ f : No alternative parts

Overview VCXO / SPXO – PCN/EOL

Product	Frequency	Status	Alternative
VG-4501CA	f < 80MHz	EOL	VG-4232CA
	80MHz ≤ f ≤ 125MHz	PCN	-
VG-4502CA	f < 80MHz	EOL	no alternative
	80MHz ≤ f ≤ 125MHz	PCN	-
VG-4511CA		EOL	no alternative
VG-4512CA	f < 80MHz	EOL	
	80MHz ≤ f ≤ 200MHz	PCN	-
VG-4531CB	60MHz ≤ f < 80MHz	EOL	VG-4231CB
	80Mhz ≤ f	EOL	no alternative
SG-770SCD / SDD		PCN	-
SG-771PCD		PCN	-

3. End-of-Life – other Fukushima factory products

- TSX-3225 – only X1E0000210137xx, X1E0000210140xx, X1E0000210022xx, X1E0000210031xx, X1E0000210067xx, X1E0000210073xx, X1E0000210079xx, X1E0000210059xx, X1E0000210171xx
- TSX-4025
- TSX-8A
- TSX-5
- TSX-1A
- TCO-5826/5827/5828 – only X1G0012810010xx, X1G0012910001xx, X1G0012910011xx, X1G0012910009xx, X1G0012910010xx, X1G0012910004xx, X1G0013010008xx, X1G0013010010xx, X1G0013010016xx, X1G0013010021xx
- TCO-5873/5859 series
- TG-5005CE/CG – only X1G0015210002xx, X1G0015210015xx, X1G0015210017xx, X1G0015210020xx, X1G0015210022xx, X1G0015210025xx, X1G0015210027xx, X1G0015210036xx, X1G0015210045xx, X1G0015710001xx, X1G0015210049xx,

X1G0015210048xx

- TCO-981 series
- TCO-5100 series
- TCO-5060/5160 series
- TCO-743/756 series
- TQS-4xx/5xx/6xx/7xx/8xx/9xx series
- TF-330A/330C series
- TF-2/3/4 series
- HF-362A/363A series
- HF-372A/373A series
- HF-722A/734A series
- IF-7E6Y3
- FH-22H/33H series
- HFF-X38 series
- HFF-2520 series
- HFF-J14A (EOL already announced)
- C0588-xxxx series
- C5381-xxxx series
- D4742-xxxx series
- D6177-xxxx series
- D6624-xxxx series
- D9843-xxxx series
- J2982-xxxx series
- J3899-xxxx series
- J4455-xxxx series
- J5692-xxxx series
- J6481-xxxx series
- J6784-xxxx series
- J6582-xxxx series
- Q5057-xxxx series
- UB305-xxxx series
- Y0093-xxxx series
- Y4660-xxxx series
- TCO-2xx series
- TCO-2003/2004 series
- TCO-2055 series
- TCO-210x series
- TCO-211x series
- TCO-2121/2131 series
- TCO-39x/3xx series
- TCO-3004/3010/3111/3114 series
- TCO-70x/73x/730x series
- TCO-2152 series (EOL already announced)
- TCO-627 series
- TCO-631/635/639 series
- TCO-672/676/677/679 series
- TCO-6110/6111 series
- TCO-6320 series
- TCO-6583/6560 series
- TCO-6600/6602 series
- TCO-6700/6730/6740/6760 series
- TCO-6831 series

- TCO-6920 series
- OX-6500/6501/6502/6511 series
- OX-6601 series
- M8620-xxxx series
- Rb-1008C/1008CD
- Rb-3100/3110 series
- Rb-5000 series
- TCM-10xx series
- TCM-200x/20xx series
- THL290 series
- THL300 series
- TPLO-210 series

Please understand that due to this unpredictable accident we can not apply any contingency plan to keep those products in production.

1. **Background**

Because the Fukushima factory region is off limit, we can not transfer any of the production equipment, material, design documents, etc. ETC can not prospect the re-opening of Fukushima factory and thus can not engage in BCP (Business Continuity Plan).

Therefore we also can not supply any Last Time Buy for ordered products that were already announced by an End-Of-Life notice.

We are aware of the big impact to our customers production. We would like to apologize that this situation has occurred and will cause problems in finding alternatives now.

2. **Alternative**

Regarding to the Fukushima factory nomination, ETC has started up TG-5035CE.

This part will be an alternative for TG-5005CE high stability type. The current TG-5005CE high stability type supply (Fukushima factory made) will be stopped after the inventory at ETC logistic station will run out. Please qualify TG-5035CE if you would like to take this as an alternative.

TG-5035CE MP production started in July 2011.

3. **Remarks**

If you already issued an LTB PO on any of the above products and this PO still open, please cancel the order. Please accept our formal apology.

Sincerely yours,

Epson Toyocom Corporation
Business Planning Department