OMRON
ELECTRONIC COMPONENTS

MARKETINGUPDATE

NO: PMS-004
DATE: July 2011
PRODUCT: EE-SX298, -SX2088 PMS, Z4D Microphotonic Device
TYPE: Product DISCONTINUATIONS

- **Non-Amplified Photomicrosensors EE-SX298 & EE-SX2088**
- **Microphotonic Device Z4D-A03 (already "obsolete" in JDE)**

Omron is DISCONTINUING the following components due to lack of sales in recent years*. Should you require additional information or have requests for replacements, please contact Product Manager, Ms. Donna Sandfox.

Part No.	Discontinuation Date	Last Order Date	Conditional Replacements
EE-SX298	March 30, 2012	**February 1, 2012**	EE-SX198
EE-SX2088	March 30, 2012	February 1, 2012	EE-SX1088*
Z4D-A03	March 30, 2012	February 1, 2012	Z4D-B01*

PLEASE NOTIFY YOUR CUSTOMERS IMMEDIATELY!

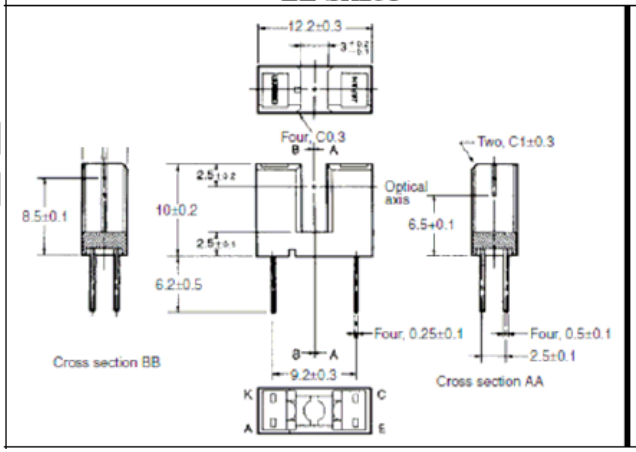
Replacement Information for the EE-SX298:

Please notify customers ASAP so that they can start planning for and testing the replacement in their application. We have several POS customers for the EE-SX298.

For technical details, here is a link to the datasheet:
http://www.components.omron.com/components/web/pdflib.nsf/0/57E8F2A4C037FE8C85257201007DD5F0/$file/EE_SX198_1010.pdf

EE-SX298 Replacement Comparison:

Dimensions

Product discontinuation EE-SX298	Recommended replacement EE-SX198
	Fully compatible

＜EE-SX298 and EE-SX198＞

Absolute Maximum Ratings (Ta=25℃)

I t e m	Model to be discontinued EE-SX298	Recommended replacement EE-SX198
Forward current	５０mA	５０mA
Pulse forward current	１A	１A
Reverse voltage	４V	４V
Collector-Emitter voltage	３５V	３０V
Collector current	２０mA	２０mA
Collector dissipation	１００mW	１００mW
Operating temperature	－２５ to ＋８５℃	－２５ to ＋８５℃
Storage temperature	－３０ to ＋１００℃	－３０ to ＋１００℃
Soldering temperature	２６０℃ max. less than 10 sec.	２６０℃ max. less than 10 sec.

Characteristics (Ta=25℃)

Item	Model to be discontinued EE-SX298			Recommended replacement EE-SX198		
	Value			Value		
	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.
Forward voltage	－	1.2V	1.4V	－	1.2V	1.4V
	Condition : IF=20mA			Condition : IF=30mA		
Reverse current	－	0.01μA	10μA	－	0.01μA	10μA
	Condition : VR=4V			Condition : VR=4V		
Peak emission wavelength	－	940nm	－	－	940nm	－
	Condition : IF=20mA			Condition : IF=20mA		
Light current	0.5mA	－	20mA	0.5mA	－	14mA
	Condition : IF=1mA, VCE=2V			Condition : IF=20mA, VCE=5V		
Dark current	－	2nA	1000nA	－	2nA	200nA
	Condition : VCE=10V, 0lx			Condition : VCE=20V, 0lx		
Collector-Emitter saturated voltage	－	0.75V	1.0V	－	0.1V	0.4V
	Condition : IF=2mA, IL=0.5mA			Condition : IF=40mA, IL=0.5mA		
Peak spectral sensitivity wavelength	－	780nm	－	－	850nm	－
	Condition : VCE=5V			Condition : VCE=10V		
Rising time tr	－	70μs	－	－	4μs	－
	Condition : VCC=5V, RL=100Ω, IF=10mA			Condition : VCC=5V, RL=100Ω, IF=5mA		
Falling time tf	－	70μs	－	－	4μs	－
	Condition : VCC=5V, RL=100Ω, IF=10mA			Condition : VCC=5V, RL=100Ω, IF=5mA		