OMRON ELECTRONIC COMPONENTS

ENGINEERINGUPDATE

PRODUCTCHANGE NOTIFICATION

NO:	**PMS - 013**	**PRODUCT:**	**EE-SX1107 – Photomicrosensor (Transmissive)**
DATE:	**March 2017**	**TYPE:**	**DISCONTINUATION – Streamline Product Offering**

EE-SX1107 Photomicrosensor – DISCONTINUATION
Replaced By New Product Model

In an effort to streamline our product offering and with the release of new SMT model series, OMRON will discontinue both EE-SX1107(-1) Photomicrosensor models in February 2018. The suggested replacement will be our EE-SX1320 Photomicrosensor model and it became available December 2016. Despite slight differences to the dimensions and characteristics, the EE-SX1320 Photomicrosensor can be considered to be a functional equivalent. Please carefully read through this notification and note the differences. The following details will fully explain the discontinuation and replacement considerations; should you have any additional questions, however, please communicate with the Photomicrosensor Product Specialist.

LAST Order date (Last Time Buy Date)
February 28, 2018

All orders entered by the LTB date will be shipped by the factory by the end of:
June, 2018

Product Discontinuation	Suggested Replacement
Photomicrosensor (Transmissive)	Photomicrosensor (Transmissive)
Model EE-SX1107	**Model EE-SX1320**
Model EE-SX1107-1	**Model EE-SX1320**

Differences from discontinued product:

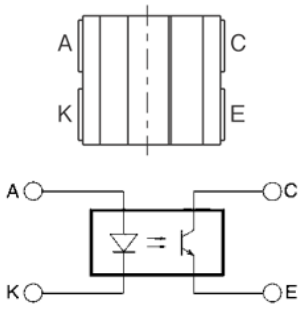
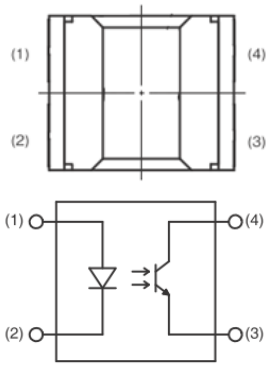
Suggested Replacement Model	Body Color	Dimen -sions	Wire connection	Mounting Dimensions	Charact -eristics	Operation ratings	Operation methods
EE-SX1320	**	--	*	--	*	*	**

**** : Compatible**
*** : The change is little/Almost compatible**
-- : Not compatible
- : No corresponding specification

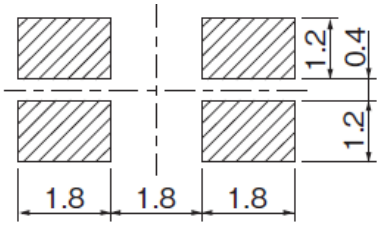
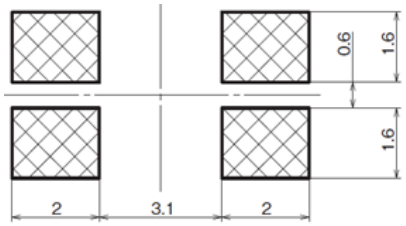
Body Color:

Discontinued Model EE-SX1107 (-1)	Suggested Replacement Model EE-SX1320
Black  	Black 

Wire Connection:

Discontinued Model EE-SX1107 (-1)	Suggested Replacement Model EE-SX1320
Wire connection (Top View)  **Terminal No. / Name** A – Anode K – Cathode C – Collector E – Emitter	**Wire connection** (Top View)  **Terminal No. / Name** (1) – Anode (2) – Cathode (3) – Emitter (4) – Collector

Mounting Dimensions:

Discontinued Model EE-SX1107 (-1)	Suggested Replacement Model EE-SX1320
Mounting dimensions  	**Mounting dimensions** 

Dimensions:

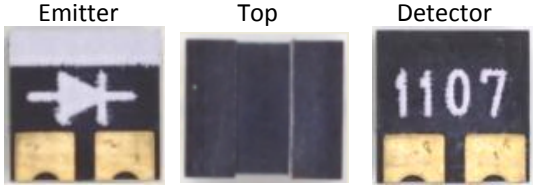
Discontinued Model
EE-SX1107 (-1)

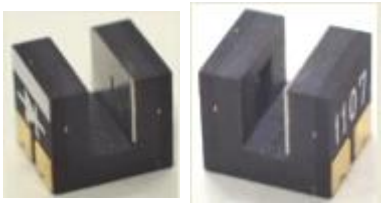
EE-SX1107(-1)

Slot width : 1mm

Dimensions(W × L × H) : 3mm × 3.4mm × 3mm

Emitter Top Detector

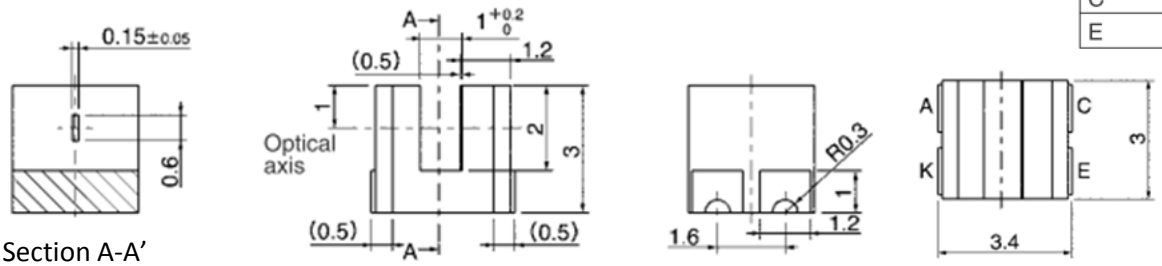




Aperture size (H x W)

Emitter	Detector
1.5×1.1	0.6×0.15

Terminal No.	Name
A	Anode
K	Cathode
C	Collector
E	Emitter



Suggested Replacement Model
EE-SX1320

EE-SX1320

Slot width : 2mm

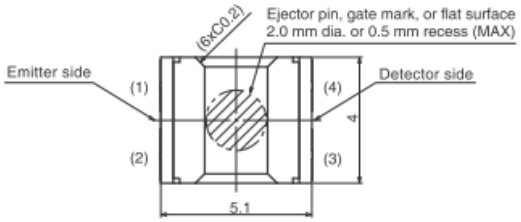
Dimensions(W × L × H) : 4mm × 5.1mm × 4mm

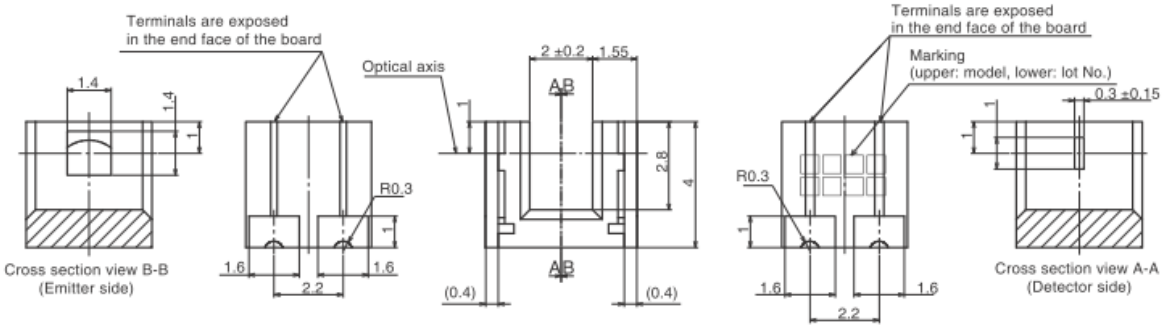
Emitter Top Detector

Aperture size (H x W)

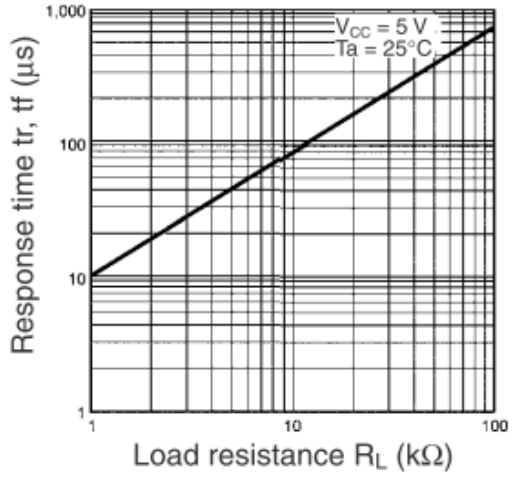
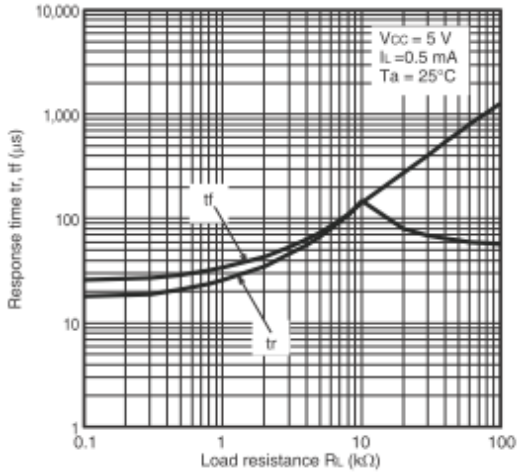
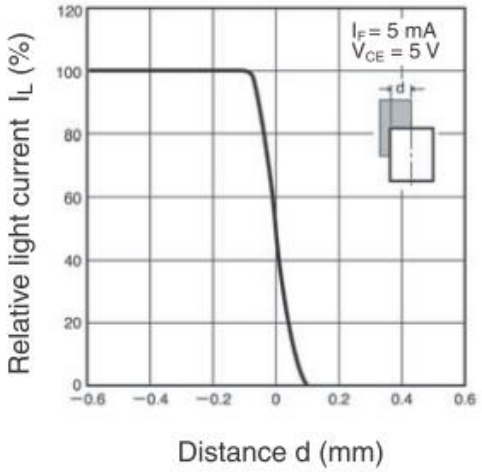
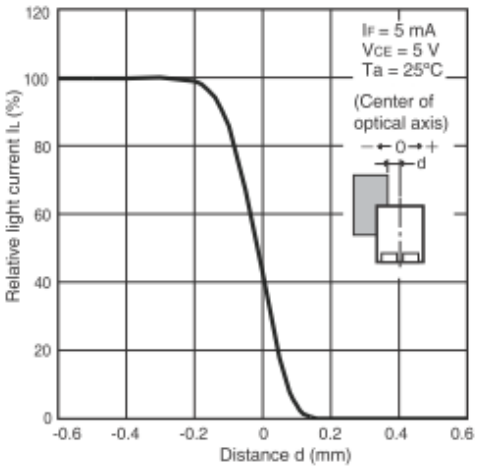
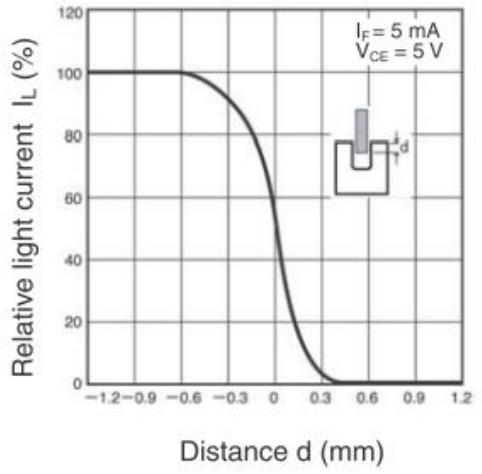
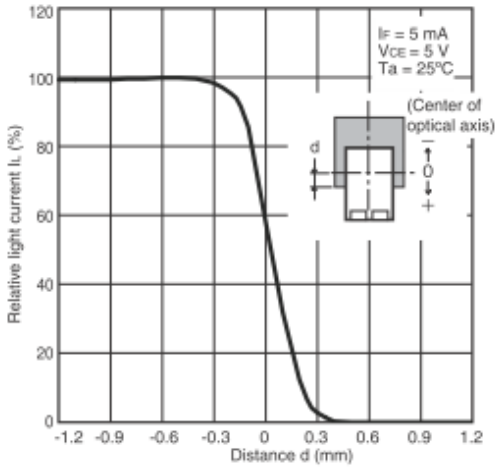
Emitter	Detector
1.4×1.4	1×0.3

Terminal No.	Name
(1)	Anode
(2)	Cathode
(3)	Emitter
(4)	Collector





Operation Ratings:

Discontinued Model EE-SX1107 (-1)	Suggested Replacement Model EE-SX1320
Response Time vs. Load Resistance Characteristics(Typical)	**Response Time vs. Load Resistance Characteristics(Typical)**
	
Sensing Position Characteristics(Typical)	**Sensing Position Characteristics(Typical)**
	
Sensing Position Characteristics(Typical)	**Sensing Position Characteristics(Typical)**
	

Characteristics:

Item	Discontinued Model EE-SX1107 (-1)	Suggested Replacement Model EE-SX1320
Collector–Emitter voltage	Maximum Ratings 20V	Maximum Ratings 12V
Forward current	Maximum Ratings 25mA	
Light current	50μA~500μA (Condition: IF=5mA, VCE=5V)	150μA~1500μA (Condition: IF=5mA, VCE=5V)
Dark current	Max 100nA (Condition: VCE=10V, 0lx)	
Collector–Emitter saturated voltage	Max. : 0.4V (Condition: IF=20mA, IL=50μA)	
Rising time/Falling time	Rising time : Typ. : 10μs Falling time : Typ.: 10μs (Condition: VCC=5V, RL=1KΩ, IL=100μA)	Rising time: Typ. : 19μs Falling time: Typ.: 26μs (Condition: VCC=5V, RL=100Ω, IL=500μA)

Packing Quantity:

Discontinued Model EE-SX1107	Suggested Replacement Model EE-SX1320
2,500 pcs / reel	2,000 pcs / reel
Discontinued Model EE-SX1107-1	**Suggested Replacement Model EE-SX1320**
100 pcs / bag	None

Details of Applicable Models:

EE-SX Discontinued Model	EE-SX Suggested Replacement Model
EE-SX1107	EE-SX1320
EE-SX1107-1	EE-SX1320

* Sales teams should communicate this discontinuation with their OEM's and CEM's.
For further technical support and any questions, please communicate with Product Marketing.

Specifications in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.

Last time buy dates are subject to change based on availability