

ENGINEERINGUPDATE



NO:	PMS - 016
DATE:	March 2017

PRODUCT: TYPE:

F: EE-SX1109 – Photomicrosensor (Transmissive) DISCONTINUATION – Streamline Product Offering

EE-SX1109 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-SX1109 (-1) Photomicrosensor models in February 2018. The suggested replacement will be our EE-SX1330 Photomicrosensor model and it became available December 2016. Despite slight differences, the EE-SX1330 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



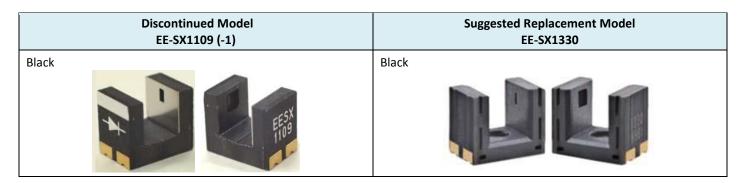
Differences from discontinued product:

Suggested	Body	Dimen	Wire	Mounting	Charact	Operation	Operation
Replacement Model	Color	-sions	connection	Dimensions	-eristics	ratings	methods
EE-SX1330	**	**	**	*	*	*	**

** : Compatible

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

Body Color:



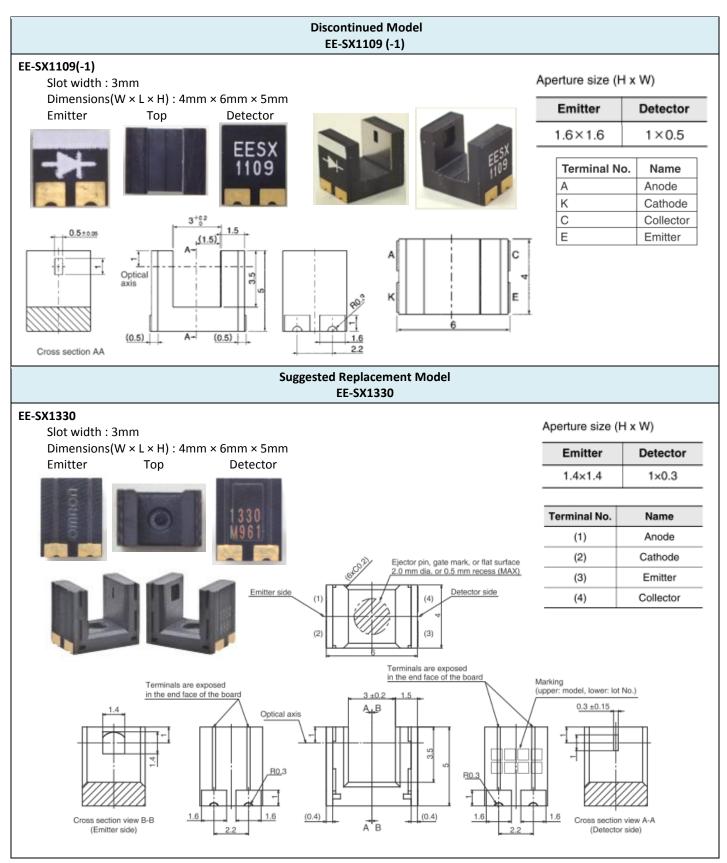
Wire Connection:

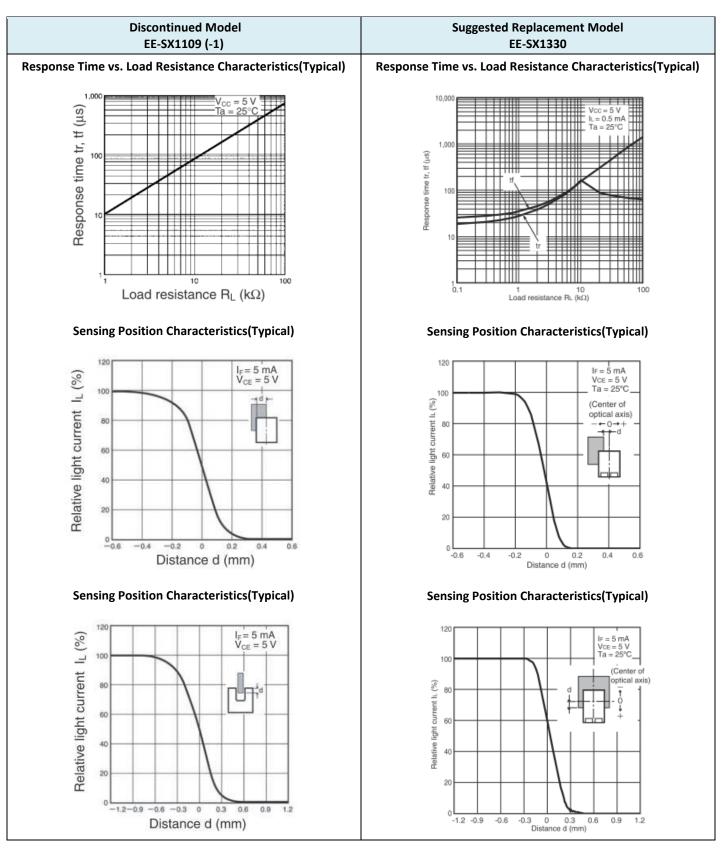
Discontinued Model EE-SX1109 (-1)		Suggested Replacement Model EE-SX1330				
Wire connection			Wire connection		. <i></i>	
(Top Vi	ew)			(10	p View)	
	C E OC C C					
Terminal No.	Name			(2) O	O (3)	
А	Anode			Terminal No.	Name	
К	Cathode			(1)	Anode	
С	Collector			(2)	Cathode	
E	Emitter			(3)	Emitter	
				(4)	Collector	

Mounting Dimensions:

Discontinued Model	Suggested Replacement Model
EE-SX1109 (-1)	EE-SX1330
Mounting dimensions	

Dimensions:





Characteristics:

Item	Discontinued Model EE-SX1109 (-1)	Suggested Replacement Model EE- SX1330	
Collector–Emitter voltage	Maximum Ratings 20V	Maximum Ratings 12V	
Forward current	Maximum Ratings 25mA		
Light current	50μΑ~500μΑ (Condition: IF=5mA, VCE=5V)	100µA~900µA (Condition: IF=5mA, VCE=5V)	
Dark current	Max 100nA (Condition: VCE=10V, 0lx)		
Collector–Emitter saturated voltage	Typ :0.1V Max. :0.4V (Condition: IF=20mA, iL=50μA)	Typ :0.1V Max. :0.4V (Condition: IF=20mA, iL=100μA)	
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	Suggested Replacement Model			
EE-SX1109	EE-SX1330			
1,000 pcs / reel				
Discontinued Model	Suggested Replacement Model			
EE-SX1109-1	EE-SX1330			
100 pcs / bag	None			

Details of Applicable Models:

EE-SX Discontinued Model	EE-SX Suggested Replacement Model
EE-SX1109	EE-SX1330
EE-SX1109-1	EE-SX1330

* 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