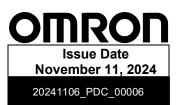


# **Modifications Notices**



# Notice of change in LED element and outer plating due to improvement of parts procurement

#### [Target Products]

- Photomicrosensor EE-SY110 series
  Photomicrosensor EE-SY169A series
- •Photomicrosensor EE-SX461-P11 series
- < Refer to the " [ Details of applicable model ] " . >

#### [Effective Date]

Effective as of our production in July, 2025.

#### [Reason for change]

To improve or to change our production system



## [ Changes ]

EE-SY110					
Before the change	After the change				
The LED element will be changed.	There are no changes in absolute maximum ratings / electrical and optical characteristics because of this change.				
The outer plating of the light emitting/receiving terminals will be changed.					
Ag plating (Silver plating)	Sn plating (Tin plating) Figure. Sn-plated terminals' color				
	No changes in soldering temperature and dimensions.				



#### EE-SY169A

		Bef	ore th	e cha	nge			After the change								
The LED element will be changed. Absolute maximum ratings						There are no changes in absolute maximum ratings because of this change.										
Electrical and Optical Characteristics (Emitter)						Electrical and Optical Characteristics (Emitter)										
Item		Symbol	MIN	TYP	MAX	Unit	Conditions	Item		Symbol	MIN	TYP	MAX	Unit	Conditions	
Forward	/oltage	VF	_	_	1.5	V	IF=30mA	Forward voltage		VF	—	—	1.5	V	IF=30mA	
Reverse	current	IR		_	10	uA	VR=4V	Reverse current		IR	-	_	10	uA	VR=4V	
Peak emi waveleng		λ <sub>P</sub>	_	920	—	nm	IF=20mA	Peak emi waveleng		$\lambda_P$	_	920	—	nm	nm <sup>IF=20mA</sup>	
Electrical and Optical Characteristics (Detector)						to 940nm because of this change. Electrical and Optical Characteristics (Detector)										
ltem	Symbol	MIN	TYP	MAX	Unit	Conditi		Item	Symbol	MIN	TYP	MAX	Unit	Conditi		
Light current	IL	160		2000	uA	IF = 20 Vce=5 Reflect white d=4m	V, tance 90% paper,	Light current	IL	160	_	2000	uA	IF = 20mA, Vce=5V, Reflectance 90% white paper, d=4mm		
								re lig	emain v	imum a unchan rrent IL nge.	ged. T	he typ	ical va	lue of	the	

Before the change	After the change				
The LED element will be changed.	There are no changes in absolute maximum ratings / electrical and optical characteristics because of this change.				

## [Details of applicable model]

Models / Specification			
EE-SY110			
EE-SY169A			
EE-SX461-P11			

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.