

OMRON

Product Discontinuation Notices

June 1, 2009

Photomicro Sensors

No.2009190E

Photomicro Sensors EE-SY125/EE-SY125-1 Product Discontinuation Announcement

Product Discontinuation

Photomicro Sensors

Recommended Replacement

Photomicro Sensors



Model EE-SY125 Model EE-SY125-1 Model EE-SY199 (EE-SX199 will be released at Dec.2009)

Discontinuation date: The end of March, 2010

Caution on recommended replacement

Could you please confirm Dimension and Specifications of the EE-SY125 and recommended type before your new designing. Since the EE-SY125 and recommended type are not complete same size and Spec. And the EE-SY199 will be released at Dec.2009 but when you need this sensor samples for new designing, could you please contact with our sales staff.

Difference from discontinued product

Model	Body Color	Dimen sions	-	Mounting Dimensions		Operation ratings	Operation methods
EE-SY199	**				*	*	*

** : Fully compatible

* : The change is a little/Almost compatible

-- : Not compatible

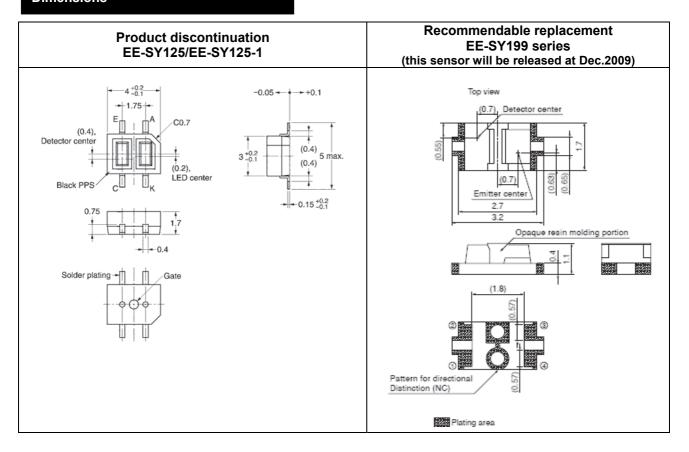
- : No corresponding specification

Product Discontinuation and recommended replacement

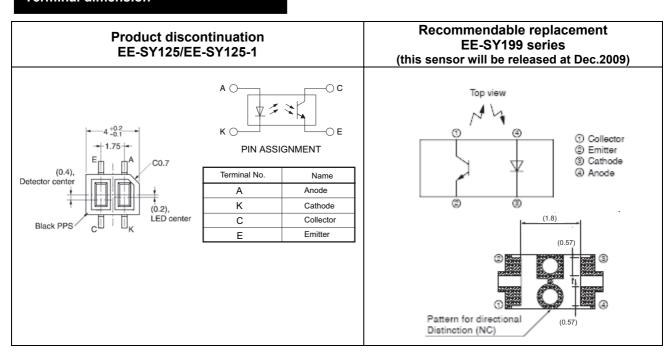
Product discontinuation	Recommended replacement			
EE-SY125	EE-SY199			
EE-SY125-1	(EE-SY199 will be released at Dec.2010)			

Industrial Automation Company

Dimensions



Terminal dimension



Packaging and Minimum order Qty.

	EE-SY125	EE-SY125-1	EE-SY199 (this sensor will be released at Dec.2009)	
Packaging	50pcs.in each stick and 40 sticks per 1 Aluminum damp proofing packing	1000pcs. per 1 reel and Aluminum damp proofing packing	2000pcs. per 1 reel and Aluminum damp proofing packing	
Minimum order Qty.	2000pcs.	1000pcs.	2000pcs.	

Absolute Maximum Ratings (Ta=25°C)

Item	Model to be discontinued EE-SY125/EE-SY125-1	Recommended replacement EE-SY199 (this sensor will be released at Dec.2009)		
Forward current	50mA	50mA		
Reverse voltage	4V	6V		
Collector-Emitter voltage	30V	35V		
Emitter-Collector voltage	5V	6V		
Collector current	20mA	20mA		
Collector dissipation	75mW	75mW		
Operating temperature	-25 to +85°C	-25 to +85°C		
Storage temperature	-40 to +100°C	-40 to +100°C		
Soldering temperature	260°C max. less than 3 sec. 240°C max. less than 10 sec.	260°C max. less than 5 sec. 240°C max. less than 10 sec.		

Characteristics (Ta=25°C)

	Model to be discontinued EE-SY125/EE-SY125-1			Recommended replacement EE-SY199 (this sensor will be released at Dec.2009)		
Item		Value		Value		
item	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.
Forward voltage	-	1.2V	1.4V	-	1.2V	1.4V
Forward voitage	Condition : I	F=20mA		Condition: IF=20mA		
Reverse current	-	0.01μΑ	10μΑ	-	-	10μΑ
Reverse current	Condition: V	R=4V		Condition: VR=6V		
Peak emission	-	950nm	-	-	950nm	-
wavelength	Condition: IF=4mA			Condition: IF=4mA		
	50μΑ	-	300μΑ	40μΑ	85μΑ	130μΑ
	Condition : I	F=4mA,VCE=2	2V	Condition: IF=4mA,VCE=2V		
Light current	Sensing object	ct: Aluminum-	deposited	Sensing object: Aluminum-deposited		
	surface			surface		
	Sensing dista	ance:1mm		Sensing distance:1mm		
Dark current	-	2nA	200nA	-	1nA	100nA
Dark Current	Condition: VCE=10V, 0lx			Condition: VCE=20V, 0lx		
Collector-Emitter	-	-	-	-	-	-
saturated voltage	-			-		
Rising time tr	-	$35 \mu s$	-	-	20μs	100µs
ixising time ti	Condition: V	CC=2V,RL=1l	xΩ,IF=100μA	Condition: V	CC=2V,RL=1l	xΩ,IF=100μA
Falling time tf	-	$25 \mu \mathrm{s}$	-	-	20μs	100µs
i anny unie u	Condition : VCC=2V,RL=1kΩ,IF=100μA			Condition : VCC=2V,RL=1kΩ,IF=100μA		