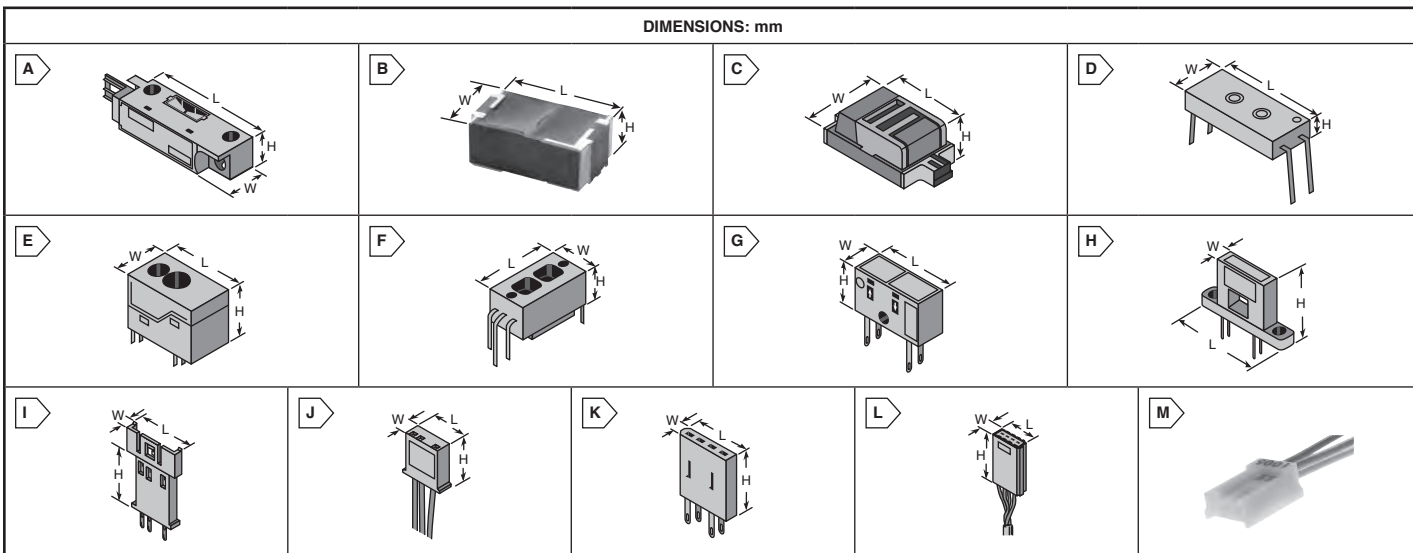


OMRON Photomicrosensors and Accessories



OMRON REFLECTIVE, NON-AMPLIFIED, PULSE-MODULATED PHOTOMICROSENSORS

Specifications:

- Output configuration: Photo IC
- Supply voltage: 7VDC
- Output current: 30mA

Features:

- Photo IC circuitry greatly improves response time
- Pulse modulation effectively reduces external light interference
- Convergent technology ensures enhanced sensing area



RoHS Compliant

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions (mm)			Sensing Distance (mm)	Price Each			
			L	W	H		1	25	50	100
653-EE-SPY415	EE-SPY415	A	33.0	11.00	9.6	White Paper 11.0 ± 8.0/Black Paper 11.0 ± 2.0	20.20	18.39	16.35	15.30

OMRON REFLECTIVE, NON-AMPLIFIED PHOTOMICROSENSORS

Specifications:

- Absolute maximum ratings: Ta=25°C

Features:

- Incorporates an emitter and a detector



RoHS Compliant

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions (mm)			Emitter Rated Value			Sensing Distance (mm)	Termination	Price Each			
			L	W	H	Forward Current	Pulse Forward Current	Reverse Voltage			1	25	50	100
Ultra-Compact, High-Signal/Noise Ratio														
653-EE-SY1200	EE-SY1200	B	3.2	1.90	1.1	50mA	500mA	4V	1.0	PCB	2.30	2.07	1.86	1.76
Ultra-Compact														
653-EE-SY199	EE-SY199	C	3.2	1.70	1.1	50mA	-	6V	1.0	PCB	2.06	1.85	1.64	1.48
Thin														
653-EE-SY171	EE-SY171	D	14.0	4.20	3.0	50mA	1A	4V	3.5	Solder	3.25	3.00	2.70	2.60
With Red LED Sensing Dyestuff-Type Inks														
653-EE-SY169	EE-SY169	E	12.5	6.00	8.0	40mA	300mA	3V	4.0	Solder	12.96	12.51	11.85	10.67
Convergent Reflective Model with Infrared LED														
653-EE-SY169A	EE-SY169A	E	12.5	6.00	8.0	50mA	1A	3V	4.0	Solder	9.12	8.81	8.26	7.51
Compact, Photo IC Output														
653-EE-SY410	EE-SY410	F	12.0	4.60	4.8	50mA	1A	4V	5.0	Solder	3.03	2.84	2.71	2.60
Dust-Tight with Filter														
653-EE-SF5	EE-SF5	G	13.0	5.40	8.0	50mA	1A	4V	5.0	Solder	4.97	4.69	4.16	3.75
653-EE-SF5-B	EE-SF5-B	G	13.0	5.40	8.0	50mA	1A	4V	5.0	PCB	6.69	6.03	5.34	4.82
653-EE-SB5	EE-SB5	H	25.4	6.35	11.5	50mA	1A	4V	5.0	Solder	4.78	4.54	4.23	3.81
653-EE-SB5-B	EE-SB5-B	H	25.4	6.35	11.5	50mA	1A	4V	5.0	PCB	5.71	5.29	5.05	4.58

OMRON PHOTOMICROSENSOR ACCESSORIES

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions (mm)			Accessory Type	Number of Pins	For Use With Photomicrosensor Type	Note	Price Each			
			L	W	H					1	25	50	100
653-EE-1002	EE-1002	I	16.72	6.00	16.0	Connector	3	Amplified	-	2.87	2.61	2.39	2.21
653-EE-1003	EE-1003	J	11.00	4.90	10.7	Connector with 1m cable	3	Amplified	With 3.3" wire harness	4.87	4.65	4.34	4.12
653-EE-1003A	EE-1003A	K	-	-	-	Connector hold-down clip	-	Amplified	For EE-1003	1.43	1.34	1.28	1.21
653-EE-1001	EE-1001	-	13.00	4.00	10.8	Connector	4	Amplified	-	3.04	2.74	2.54	2.43
653-EE-1006	EE-1006	L	11.80	5.30	16.2	Connector with 1m cable	4	Amplified	With 6.6" wire harness	13.02	12.62	11.29	9.54
653-EE-1005	EE-1005	M	-	-	-	Connector	3	Non-Amplified	-	2.91	2.74	2.53	2.37



Omron Photomicrosensors