

SHARP Microelectronics Optocouplers



PHOTOTRIACS COUPLERS

RoHS Compliant This product is RoHS compliant.

Sharp Opto Components

Zero crossing functionality (VOX : MAX. 20V)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Package	Absolute Max Ratings			Electro-optical Characteristics		Price Each			
		(rms) (A)	VDRM (V)	Viso(rms)(kV)	Ift(mA) MAX.	VD (V)	1	10	100	500
852-PC4SD21YXPCF	DIP 6-Pin	0.1	800	5.0	5	20	.94	.85	.78	.72
852-PC4SF21YTBZF	DIP 6-Pin	0.1	800	5.0	10	6	1.16	1.04	.946	.867
852-S2S3LA0F	Mini-flat 4-Pin	0.05	600	3.75	10	6	.58	.53	.48	.45
852-S2S4A00F	Mini-flat 4-Pin	0.05	600	3.75	10	6	.52	.47	.43	.40
852-S2S4LY0F	Mini-flat 4-Pin	0.05	600	3.75	10	6	.70	.64	.58	.54



PHOTOINTERRUPTERS

Slot Type

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Package	Gap Width	Slit Width	Forward Current	Forward Voltage	Power Dissipation	Output		Price Each			
							Voltage	Current	1	10	100	500
852-GP1A05AJ00F	34x18x11mm	5.0mm	0.5mm	30mA	5V	-	-0.5 to 28V	50mA	1.60	1.29	1.05	.96
852-GP1A50HRJ00F	25x10x6mm	3.0mm	0.5mm	50mA	5V	75mW	-0.5 to 17V	50mA	1.02	.93	.85	.78
852-GP1A52HRJ00F	12.2x10x5mm	3.0mm	0.5mm	50mA	1.2V	75mW	-0.5 to 17V	50mA	1.00	.91	.83	.77
852-GP1A52LRJ00F	12.2x10x5mm	3.0mm	0.5mm	50mA	1.2V	250mW	-0.5 to 17V	50mA	1.00	.91	.83	.77
852-GP1A57HRJ00F	18.6x15.2x5mm	10mm	1.8mm	50mA	1.2V	250mW	-0.5 to 17V	50mA	1.56	1.42	1.30	1.20
852-GP1S092HCP1F	4.5x2.6x2.9mm	2mm	0.3mm	50mA	1.2V	100mW	35V CEO	20mA	.53	.44	.35	.28
852-GP1S094HCZ0F	5.5x2.6x4.8mm	2mm	0.3mm	50mA	1.2V	75mW	35V CEO	20mA	.55	.53	.51	.47
852-GP1S44S1J00F	-	With attached Actuator		20mA	5V	75mW	35V CEO	20mA	1.98	1.80	1.65	1.52

Flat Type

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Style	Distance (White Paper)	Distance (Black Paper)	Forward Current	Forward Voltage	Power Dissipation	Output		Price Each			
							Voltage	Current	1	10	100	500
852-GP2A200LCS0F	W/ Connector	2 - 22mm	5 - 15mm	30mA	5V	-	30V	50mA	4.14	3.76	3.45	2.79
852-GP2A231LRS0F	W/ Connector	1 - 9mm	3 - 7mm	20mA	5V	-	7V	50mA	3.28	2.98	2.73	2.52
852-GP2A25J0000F	W/ Connector	1 - 9mm	3 - 7mm	30mA	5V	-	30V	50mA	3.60	3.21	2.95	2.67
852-GP2S60B	Surface Mount	0.7mm	- - -	50mA	1.2V	75mW	35V CEO	20mA	.53	.43	.34	.28



AMBIENT LIGHT SENSORS



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Rise/Fall Time (μs-ms)/(ms-ms-μs)		Operating Voltage (Vcc)	Output Current (mA)	Peak Sensitivity (nm)	Illuminance/Dynamic Range (lx)	Operating Temperature	Price Each			
	Rise	Fall						1	10	100	200
852-GA1A1S201WP	150-5	150-15	2.3-3.2 V	30	555	3-55000	-40 to 85 °C	.58	.56	.53	.50
852-GP2A1A1S202WP	150-5	150-15	2.3-3.2 V	1	555	3-55000	-40 to 85 °C	.96	.82	.75	.65
852-GA1A1S203WP	150-5	150-15	2.3-3.2 V	1	555	3-55000	-40 to 85 °C	.96	.80	.72	.64
852-GA1A1S204WP	150-5	150-15	2.3-3.2 V	1	555	3-55000	-40 to 85 °C	.96	.85	.80	.75
852-GA1A2S100LY	10-2-500	10-1-250	2.7-3.6 V	480	555	10-10000	-40 to 85 °C	.96	.80	.72	.64
852-GA1A2S100SS	10-2-500	10-1-250	2.7-3.6 V	480	555	10-10000	-40 to 85 °C	.96	.85	.80	.77



LED DRIVERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Package	Input Voltage (V)	Output Current (mA)	Control	LED Configuration		Price Each			
					Parallel	Series	1	25	100	500
852-IR2D07	28-Pin SDIP	4.5 - 5.5	55	3-Line Serial	13	N/A	2.65	2.20	1.57	1.27
852-IR2D20U	52-Pin HQFN	3.0 - 5.6	30	3-Line Serial	8+8+8	N/A	3.54	2.34	1.91	1.79
852-IR2E51Y6	35-Pin WLCSFP	3.0 - 4.5	25	I2C bus	N/A	1 Pair	4.57	3.81	2.71	2.19

