

SHARP Microelectronics Optocouplers



RoHS Compliant This product is RoHS compliant.

SHARP PHOTOTRIACS COUPLERS Zero crossing functionality (VOX : MAX. 20V)

For quantities greater than listed, 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-PC4SF21YTZBF	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

Opto Components

Sharp

SHARP PHOTOINTERRUPTERS

Slot Type

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MOUSER STOCK NO.	Package	Gap Width	Slit Width	Forward Current	Forward Voltage	Power Dissipation	Output		Price Each			
							Voltage	Current	1	10	100	500
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	1.06	.964	.879	.816
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

Flat Type

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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-GP2A231LRS1F	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

SHARP AMBIENT LIGHT SENSORS

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MOUSER STOCK NO.	Rise/Fall Time (µs-ms)(ms-µs)		Operating Voltage (Vcc)	Output Current (µA)	Peak Sensitivity (nm)	Illuminance/Dynamic Range (lx)	Operating Temperature	Price Each			
	Rise	Fall						1	10	100	200
852-GA1A1S202WP	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

SHARP PHOTO TRANSISTOR OUTPUT

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MOUSER STOCK NO.	Sharp Part No.	Current Transfer Ratio				Output		Price Each			
		Min (%)	Max (%)	@ Vce	@ If	Vceo Max.	Ic Max.	1	10	100	500
DIP-4 Gull Wing											
852-PC817XJ0000F	PC817XJ0000F	50	600	5V	5mA	80V	50mA	.33	.246	.196	.16
SOP-4											
852-PC354NJ0000F	PC354NJ0000F	20	400	-	1mA	80V	50mA	.46	.385	.307	.249
852-PC355NJ0000F	PC355NJ0000F	120	1500	2V	1mA	35V	80mA	.65	.538	.429	.348
852-PC355NTJ000F	PC355NTJ000F	120	1500	2V	1mA	35V	80mA	.76	.627	.50	.406
852-PC357N1TJ00F	PC357N1TJ00F	50	600	5V	5mA	80V	50mA	.54	.448	.357	.29
852-PC357N3TJ00F	PC357N3TJ00F	50	600	5V	5mA	80V	50mA	.51	.426	.339	.276
852-PC357N4J000F	PC357N4J000F	50	600	5V	5mA	80V	50mA	.46	.381	.304	.247
852-PC357N4TJ00F	PC357N4TJ00F	50	600	5V	5mA	80V	50mA	.54	.448	.357	.29
852-PC357NJ0000F	PC357NJ0000F	50	600	5V	5mA	80V	50mA	.43	.358	.286	.232
852-PC357NTJ000F	PC357NTJ000F	50	600	5V	5mA	80V	50mA	.46	.381	.304	.247
852-PC364NJ0000F	PC364NJ0000F	60	1200	2V	0.5mA	35V	80mA	.62	.515	.411	.334
852-PC365NJ0000F	PC365NJ0000F	60	1200	2V	0.5mA	35V	80mA	.54	.448	.357	.29
852-PC367N2TJ00F	PC367N2TJ00F	60	1200	2V	0.5mA	80V	50mA	.51	.426	.339	.276
852-PC367NJ0000F	PC367NJ0000F	60	1200	2V	0.5mA	80V	50mA	.46	.381	.304	.247
852-PC367NTJ000F	PC367NTJ000F	60	1200	2V	0.5mA	80V	50mA	.49	.403	.321	.261
852-PC3H410NIP0F	PC3H410NIP0F	50	400	-	0.5mA	-	-	.62	.515	.411	.334
852-PC3H411NIP0F	PC3H411NIP0F	50	400	-	0.5mA	-	-	.62	.515	.411	.334
852-PC3H4J00000F	PC3H4J00000F	20	400	-	1mA	80V	50mA	.46	.381	.304	.247
852-PC3H5J00000F	PC3H5J00000F	120	1500	2V	1mA	35V	80mA	.57	.473	.377	.307
852-PC3H711NIP0F	PC3H711NIP0F	100	700	5V	0.5mA	80V	50mA	.54	.448	.357	.29
852-PC3H712NIP0F	PC3H712NIP0F	100	700	5V	0.5mA	80V	50mA	.54	.448	.357	.29
852-PC3H7CDJ000F	PC3H7CDJ000F	20	400	5V	1mA	80V	50mA	.43	.358	.286	.232
852-PC3H7DJ0000F	PC3H7DJ0000F	20	400	5V	1mA	80V	50mA	.46	.381	.304	.247
DIP-4											
852-PC817X2NSZ0F	PC817X2NSZ0F	50	600	5V	5mA	80V	50mA	.36	.269	.214	.174
852-PC817X9NSZ0F	PC817X9NSZ0F	50	600	5V	5mA	80V	50mA	.39	.291	.232	.189

