

SHARP Microelectronics Optocouplers



This product is RoHS compliant.

SHARP
MICROELECTRONICS
OF THE AMERICAS

Sharp provides a complete range of Photocoupler devices for isolation between different voltage sources. These include devices that meet mandatory requirements for reliability of reinforced isolation over their entire operating life and comply with stringent safety standards such as VDE, UL, CSA, Fimko and BSI.



PHOTO TRANSISTOR OUTPUT



RoHS Compliant

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-PC12310NSZ0F	PC12310NSZ0F	50	400	5V	5mA	70V	50mA	.46	.381	.304	.247
852-PC123AJ0000F	PC123AJ0000F	50	400	5V	5mA	70V	50mA	.46	.381	.304	.247
852-PC123BJ0000F	PC123BJ0000F	50	400	5V	5mA	70V	50mA	.46	.381	.304	.247
852-PC123F2J000F	PC123F2J000F	50	400	5V	5mA	70V	50mA	.49	.403	.321	.261
852-PC123FYJ000F	PC123FYJ000F	50	400	5V	5mA	70V	50mA	.54	.448	.357	.29
852-PC123J00000F	PC123J00000F	50	400	5V	5mA	70V	50mA	.41	.336	.268	.218
852-PC123PJ0000F	PC123PJ0000F	50	400	5V	5mA	70V	50mA	.43	.358	.286	.232
852-PC12311NSZ0F	PC12311NSZ0F	50	400	5V	5mA	70V	50mA	.30	.281	.257	.216
852-PC123Z2YJ00F	PC123Z2YJ00F	50	400	5V	5mA	70V	50mA	.43	.358	.286	.232
SOP-4											
852-PC354NJ0000F	PC354NJ0000F	20	400	-	1mA	80V	50mA	.46	.381	.304	.247
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-PC357N2J000F	PC357N2J000F	50	600	5V	5mA	80V	50mA	.46	.381	.304	.247
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	.47	.375	.305
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-PC814X1J000F	PC814X1J000F	20	300	5V	1mA	80V	50mA	.41	.336	.268	.218
852-PC814XJ0000F	PC814XJ0000F	20	300	5V	1mA	80V	50mA	.42	.314	.25	.203
852-PC814XPJ000F	PC814XPJ000F	20	300	5V	1mA	80V	50mA	.57	.47	.375	.305
852-PC81510NSZ0F	PC81510NSZ0F	60	1200	2V	0.5mA	35V	-	.65	.538	.429	.348
852-PC815XJ0000F	PC815XJ0000F	60	1200	2V	0.5mA	35V	-	.68	.66	.554	.45
852-PC815XYJ000F	PC815XYJ000F	60	1200	2V	0.5mA	35V	-	.46	.45	.43	.41
852-PC81710NIP0F	PC81710NIP0F	50	600	5V	5mA	80V	50mA	.51	.426	.339	.276
852-PC81710NSZ0F	PC81710NSZ0F	50	600	5V	5mA	80V	50mA	.43	.358	.286	.232
852-PC81711NIP0F	PC81711NIP0F	50	600	5V	5mA	80V	50mA	.54	.448	.357	.29
852-PC81712NIP0F	PC81712NIP0F	50	600	5V	5mA	80V	50mA	.54	.448	.357	.29
852-PC81713NIP0F	PC81713NIP0F	50	600	5V	5mA	80V	50mA	.51	.426	.339	.276
852-PC81713NSZ0F	PC81713NSZ0F	50	600	5V	5mA	80V	50mA	.43	.358	.286	.232
852-PC81718NIP0F	PC81718NIP0F	50	600	5V	5mA	80V	50mA	.51	.426	.339	.276
852-PC817X1J000F	PC817X1J000F	50	600	5V	5mA	80V	50mA	.36	.269	.214	.174
852-PC817X2J000F	PC817X2J000F	50	600	5V	5mA	80V	50mA	.36	.269	.214	.174
852-PC817X3J000F	PC817X3J000F	50	600	5V	5mA	80V	50mA	.36	.269	.214	.174
852-PC817X4J000F	PC817X4J000F	50	600	5V	5mA	80V	50mA	.36	.269	.214	.174
852-PC817X7J000F	PC817X7J000F	50	600	5V	5mA	80V	50mA	.39	.291	.232	.189
852-PC817X9J000F	PC817X9J000F	50	600	5V	5mA	80V	50mA	.39	.291	.232	.189
852-PC817X11J00F	PC817X11J00F	50	600	5V	5mA	80V	50mA	.39	.291	.232	.189
852-PC817X12J00F	PC817X12J00F	50	600	5V	5mA	80V	50mA	.39	.291	.232	.189
852-PC817X1J000F	PC817X1J000F	50	600	5V	5mA	80V	50mA	.36	.269	.214	.174
852-PC817XJ0000F	PC817XJ0000F	50	600	5V	5mA	80V	50mA	.33	.246	.196	.16
852-PC817XP7J00F	PC817XP7J00F	50	600	5V	5mA	80V	50mA	.41	.336	.268	.218
852-PC817XPJ000F	PC817XPJ000F	50	600	5V	5mA	80V	50mA	.42	.314	.25	.203
852-PC852X1J000F	PC852X1J000F	200	3000	2V	1mA	350V	50mA	.65	.538	.429	.348
852-PC853X1J000F	PC853X1J000F	200	3000	2V	1mA	350V	50mA	.68	.56	.446	.363
852-PC853XJ0000F	PC853XJ0000F	200	3000	2V	1mA	350V	50mA	.62	.515	.411	.334
DIP-16											
852-PC8441J1J00F	PC8441J1J00F	20	300	5V	1mA	80V	50mA	1.35	1.09	.91	.812
852-PC844XJ0000F	PC844XJ0000F	20	300	5V	1mA	80V	50mA	1.38	1.10	.913	.798
852-PC845XJ0000F	PC845XJ0000F	20	300	5V	1mA	80V	50mA	2.38	1.90	1.58	1.39
852-PC847X0J000F	PC847X0J000F	50	600	5V	5mA	80V	50mA	1.23	.98	.813	.711
852-PC847X5J000F	PC847X5J000F	50	600	5V	5mA	80V	50mA	1.23	.98	.813	.711
852-PC847X7J000F	PC847X7J000F	50	600	5V	5mA	80V	50mA	1.13	.90	.747	.653
852-PC847X1J000F	PC847X1J000F	50	600	5V	5mA	80V	50mA	1.25	1.00	.83	.725

