

PHOTO INTERRUPTER

6427525 N E C ELECTRONICS INC

59C 05457 D

T-41-01

TYPE NO.	FEATURES	ABSOLUTE MAXIMUM RATINGS (Ta=25 °C)				CHARACTERISTICS (Ta=25 °C)				Outline
		If (mA)	VCEO(V)	IC (mA)	Topt(°C)	Vf (V) (If=20 mA)	ICEO(nA) (VCE=10 V, If=0)	VCE(sat)(V) (If=10 mA, IC=0.5 mA)	CTR (%) (If=10 mA, VCE=2 V)	
PS4001	General purpose	50	30	50	-20~ +80	1.1	~400	~1.2	20 ~	Fig. I-1
PS4003	General purpose	50	30	50	-20~ +80	1.1	~400	~1.2	15 ~	Fig. I-2
PS4005	General purpose	50	30	50	-20~ +80	1.1	~400	~1.2	20 ~	Fig. I-3
PS4007	General purpose	50	30	50	-20~ +80	1.1	~400	~1.2	20 ~	Fig. I-4
PS4008	High speed response	50	30	40	-20~ +80	1.1	~100	~0.3 (If=10 mA, IC=50 μA)	0.5 ~	Fig. I-2
PS4009	General purpose	50	30	50	-20~ +80	1.1	~400	~1.2	20 ~	Fig. I-5
PS4010	General purpose	50	30	50	-20~ +80	1.1	~400	~1.2	20 ~	Fig. I-6
PS4011	General purpose	50	30	50	-20~ +80	1.1	~400	~1.2	20 ~	Fig. I-7

PHOTO REFLECTIVE SENSOR

TYPE NO.	FEATURES	ABSOLUTE MAXIMUM RATINGS (Ta=25 °C)				CHARACTERISTICS (Ta=25 °C)				Outline
		If (mA)	VCEO(V)	IC (mA)	Tstg(°C)	Vf (V) (If=30 mA)	IR (μA) (VR=3 V)	VCE(sat)(V) (IC=20 μA)	ic (μA) (If=30 mA)	
PS6001A	Infrared LED Si photo transistor	50	30	40	-30~ +18	1.2	~50	~0.3	200	Fig. I-8

PHOTO TRANSISTOR

TYPE NO.	FEATURES	ABSOLUTE MAXIMUM RATINGS (Ta=25 °C)				CHARACTERISTICS (Ta=25 °C)			Outline
		PC(mW)	IC (mA)	VCEO(V)	Tstg(°C)	ICEO (nA) (VCE=10 V, L=0)	VCE(sat) (V) (L=1 000 lx)	IL (μA) (VCE=2 V, L=100 lx)	
PT8L	Glass lens	250	30	30	-40~ +150	~200	~0.3 (L=500 lx)	250~ (VCE=10 V, L=200 lx)	Fig. D-1
PH101	High sensitivity (Darlington Tr)	100	50	20	-30~ +80	~500 (VCE=15 V)	~1.5	10 mA~	Fig. D-2
PH102	High speed	100	40	20	-30~ +80	~200	~0.3	50 ~	
PH103	High sensitivity (Darlington Tr)	100	50	30	-40~ +100	~400	~1.5	2 mA~	Fig. D-3
PH104	High speed	100	40	30	-40~ +100	~100	~0.3	20 ~	
PH105	High reliability	150	50	30	-40~ +100	~200	~0.3	500~ (VCE=10 V)	Fig. D-4
PH106	High speed Black plastic molded	100	40	30	-40~ +100	~100	~0.3	60~	Fig. D-5
PH107	High Sensitivity Black plastic molded	100	50	30	-40~ +100	~400	~1.5	10 mA~	Fig. D-5
PH108	Small package High speed	100	40	30	-40~ +100	~100	~0.3 (IC=0.5 mA, H=5 mW/cm²)	0.3mA~ VCE=5 V H=0.5 mW/cm²	Fig. D-6