

■ Photosensors for Interrupting (Photo Interrupters)

Type No.	Package No.	Features	I _F (mA)	V _{CEO} (V)	I _C min (mA)	I _{CEO} max (nA)	t _r , t _f typ. (μs)	V _{CE(sat)} max (V)
ON1002	I04-1	Ultra small type	50	35	0.04	100	35	0.4
ON1003	I04-2	Ultra small type	50	35	1.3	100	35	0.4
ON1004	I04-3	Ultra small type	50	35	0.4	100	35	0.4
△ ON1021	I04-4	Gap width 3mm	50	30	0.5	200	20	0.4
△ ON1022	IS4-1	Gap width 3mm	50	30	0.5	200	20	0.4
△ ON1023	IF4-1	Gap width 3mm	50	30	0.5	200	20	0.4
△ ON1024	I04-5	Gap width 5mm	50	30	0.5	200	20	0.4
ON1102	IS4-2	High Output	50	30	2	200	4	0.4
ON1105	IS4-3	High resolution	50	30	0.3	200	6	0.3
ON1108	I04-6	For PCB	50	30	2	200	4	0.4
ON1109	IS4-4	Deep and wide gap	50	30	0.3	200	6	0.3
ON1110	I04-8	High resolution	50	30	0.3	200	6	0.3
ON1111	IS4-5	High resolution, thin type	50	30	0.3	200	6	0.3
ON1112	I04-9	High resolution, thin type	50	30	0.3	200	6	0.3
ON1113	IF4-2	High resolution, thin type	50	30	0.3	200	6	0.5
ON1114	I04-9	High Output	50	30	0.7	200	6	0.3
ON1120	I04-10	Wide gap	50	20	1.0	200	6	0.4
ON1122*	IS4-2	General purpose	25	30	0.1	200	6	0.5
ON1128*	I04-6	For PCB	25	30	0.1	200	6	0.5
ON1128S*	I04-7	With metal slit	25	30	0.05	200	6	0.5
ON1179	I04-11	High resolution, thin type	50	30	0.3	200	6	0.3
ON1215 ◎	IS4-3	Disturbance light protection type	25	20	2	600	100	1.5

◎Darlington output * Visible light emitting diode △Preliminary

■ Reflective Photosensors (Photo Reflectors)

Type No.	Package No.	Features	I _F (mA)	V _{CEO} (V)	I _C min. (mA)	I _{CEO} max. (μA)	t _r , t _f typ. (μs)	V _{CE(sat)} max. (V)
ON2152	R004-1	High speed response	100	20	0.8	2	8	0.6
ON2153	R004-2	High speed response	50	30	0.1	0.2	6	0.5
ON2253 ◎	R004-2	High sensitivity	50	20	3	0.5	150	1.5
ON2170	RSS4-1	Visible light cut, small, thin type	50	30	0.045	0.2	20	0.4
ON2171	R0D4-1	Visible light cut, small type	50	30	0.8	0.2	20	0.5
ON2173	R004-3	High speed response	50	20	0.1	0.2	6	0.3
ON2179	R004-4	High speed response	50	5	0.18	0.2	20	0.5
△ ON2175	RB04-1	Tape end, detection	50	30	0.1	0.2	6	0.5
ON2180	RSS4-1	Visible light cut, small, thin type	50	30	0.045	0.2	20	0.4
ON2270 ◎	RSS4-1	Visible light cut, small, thin type	50	20	0.17	0.5	150	1.5
ON2280 ◎	RSS4-1	Visible light cut, small, thin type	50	20	0.17	1	150	1.5
CNB1001	R004-4	Visible light cut, small, thin type	50	35	0.09	0.1	30	0.4
CNB1002	R004-4	Visible light cut, small, thin type	50	35	0.09	0.1	30/40	0.4

◎: Darlington output △Preliminary

■ Optical Fiber Units

● Optical Fiber Connector Modules

Type No.	Package No.	Fiber Coupling Power P _F typ. (μW)	Emitting Wave Length λ p typ. (nm)	Forward Voltage V _F typ. (V)	Frequency f _c (MHz)
Transmit	LN125D004	JL01	50 ^{*1}	660	1.8
	LN183-001	JL02	40 ^{*2}	880	1.6

Type No.	Package No.	Quantum Efficiency η min. (%)	Peak Sensitivity Wave Length λ p typ. (nm)	Leak Current I ₀ max. (nA)	Frequency f _c typ. (MHz)
Receive	PN332F001	JP01	60 ^{*2}	850	1
	PN335-004	JP02	60 ^{*1}	900	10

*1 Plastic Fiber (1mmφ)

*2 Glass Fiber (GI50)

*3 Photo IC Modules

■ Hologram Unit

Applications	Type No.	Package No.	P ₀ (mW)	V _{R(LD)} (V)	V _R (mon.) (V)	V _A (V)	I _h typ. (mA)	I _{op} typ. (mA)	V _{op} typ. (V)	λ L typ. (nm)	I ₀ (mon.) typ. (mA)
CD/CD-ROM	HUL7001	LDH1	0.3	2	12	12	30	35	1.9	790	0.7

■ Optoisolators

Type No.	Package No.	Features	V _{CEO} *V _R **V ₀ (V)	V _{ISO} min. (V _{RMS})	CTR (%)	t _r typ. (μs)
ON3131	HD4-2	High breakdown voltage	35	5000	200typ.	2
ON3132	HD8-1	High breakdown voltage (2 elm)	35	5000	200typ.	2
ON3133	HD12-1	High breakdown voltage (3 elm)	35	5000	200typ.	2
ON3134	HD16-1	High breakdown voltage (4 elm)	35	5000	200typ.	2
ON3171	HD4-1	High breakdown voltage	35	5000	50 ~ 600	4
△ ON3181	HD4-2	High breakdown voltage AC input	55	5000	20 ~ 300	4
△ ON3182	HD8-1	High breakdown voltage AC input (2 elm)	55	5000	20 ~ 300	4
△ ON3183	HD12-1	High breakdown voltage AC input (3 elm)	55	5000	20 ~ 300	4
△ ON3184	HD16-1	High breakdown voltage AC input (4 elm)	55	5000	20 ~ 300	4
ON3205 ◎	HD4-2	High breakdown voltage	20	5000	700typ.	100
ON3401**	HD6-1	High speed response, High transfer efficiency	**15	2500	15 ~ 60	0.4
ON3731 ◎	HD4-2	High breakdown voltage	300	5000	4000typ.	15
CNC1S001	HS4-1	Small type, high breakdown voltage	55	3750	50 ~ 450	2.5
CNC2S501	—	Darlington output, high V _{CEO} , small type	300	3750	4000typ.	50
CNC7S001	—	Small type, AC input	55	3750	20 ~ 300	4

◎Darlington output ** Photo IC output △Preliminary