

NEC ELECTRONICS INC

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NEC

OPTOELECTRONIC DEVICES

T-41-01

Photo ICs

Photo Interrupter

Part Number	Features	Absolute Maximum Ratings (T _a = 25°C)			Typical Characteristics (T _a = 25°C)	
		V _{CC} (V)	I _{OL} (mA)	T _{opt} (°C)	I _{CCL} (mA) (V _{CC} =5 V)	V _{OL} (V) (I _{OL} =16 mA) (V _{CC} =5 V)
PH502HR	Built-in Schmitt Trigger circuit Active "HIGH" Built-in pull up resistor	17	50	-30 to +85	to 5	to 0.4
PH502HC	Built-in Schmitt Trigger circuit Active "HIGH" Open collector output	17	50	-30 to +85	to 5	to 0.4 (R _L =280Ω)
PH502LR	Built-in Schmitt Trigger circuit Active "LOW" Built-in pull up resistor	17	50	-30 to +85	to 5	to 0.4
PH502LC	Built-in Schmitt Trigger circuit Active "LOW" Open collector output	17	50	-30 to +85	to 5	to 0.4 (R _L =280Ω)

Optical Disk

Part Number	Features	Absolute Maximum Ratings (T _a = 25°C)				Typical Characteristics (T _a = 25°C)								
		V _R (V)	P (mW)	T _{opt} (°C)	T _{stg} (°C)	I _{CC} (nA) Typ.	V _{BIAS}			f _T (MHz) Typ.	V _O (mV) I _{IN} (μA)	S (A/W) λ (nm) Typ.		
PH503	Built-in I-V Amplifiers Small transparent 16 pin plastic package	20	20	-20 to +80	-40 to +100	14.1	18	13	2.5±0.1	2	1.7	80	780	0.3

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