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MAXIMUM RATINGS

(Ta=25°C)

Item	Symbol	Rating	Unit
Supply voltage	V _{cc}	17	V
Low level output current	I _{OL}	30	mA
Output transistor power dissipation	P _o	200	mW
Operating temp.	T _{opr.}	-25~+85	°C
Storage temp.	T _{stg.}	-40~+100	°C
Soldering temp.*1	T _{sol.}	260	°C

*1. For MAX. 5 seconds at the position of 2 mm from the resin edge.

ELECTRO-OPTICAL CHARACTERISTICS

(V_{cc}=5V, Ta=25°C)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Supply voltage	V _{cc}		4.5		17	V
High level supply current	I _{ccH}	E _v =0lx		3	6	mA
Low level supply current	I _{ccL}	E _v =100lx		3	6	mA
High level output voltage	V _{OH}	E _v =100lx, E _s =10KΩ, V _{out} =5V	4.5			V
Low level output voltage	V _{OL}	E _v =100lx, I _b =16mA			0.4	V
L→H Threshold Illuminance	E _{VHL}		10	25		lx
H→L Threshold Illuminance	E _{VHL}			30	80	lx
Hysteresis	E _{HL} /E _{VHL}	R _s =280Ω	0.5	0.8	0.95	—
Peak wavelength	λ _P			900		nm
Switching speed	L→H propagation time	E _v =100lx, R _s =280Ω		3	9	μsec.
	H→L propagation time			2	6	μsec.
	Rise time			0.1	0.5	μsec.
	Fall time			0.05	0.5	μsec.

