

Recommended Operating Condition
Supply Voltage Rating: Vcc 4.5V to 5.5V
Electro-Optical Characteristics (Ta=25°C, and Vcc=5 V)

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Consumption Current	I _{cc}	---	---	3	mA	No signal input
B.P.F Center Frequency	F ₀	---	38	---	KHz	
Peak Wave length	λ_p	---	940	---	nm	
Reception Distance	L ₀	8	---	---	m	At the ray axis *1
	L ₄₅	4	---	---		
Half Angle(Horizontal)	Θ_h	---	45	---	deg	
Half Angle(Vertical)	Θ_v	---	45	---	deg	
High Level Pulse Width	T _H	400	---	800	μs	At the ray axis *2
Low Level Pulse Width	T _L	400	---	800	μs	
High Level Output Voltage	V _H	4.5	---	---	V	
Low Level Output Voltage	V _L	---	0.2	0.5	V	

Notes:

*1: The ray receiving surface at a vertex and relation to the ray axis in the range of $\theta=0^\circ$ and $\theta=45^\circ$.

*2: A range from 30cm to the arrival distance. Average value of 50 pulses.