

MODEL 產品型號：XL-0638L

Absolute Maximum Ratings at Ta=25°C
最大值參數 Ta=25°C

Electrical Optical Characteristics at Ta=25°C
(Ta=25°C)

Parameter	Symbol	Ratings	Unit
Supply Voltage	V _{CC}	-0.3—7.5	V
Operating Temperature	Topr	-25— +85	°C
Storage Temperature	Tstg	-40 — +125	°C
Soldering Temperature	Tsol	260 (5S)	°C

光电参数: (T=25°C V_{cc}=5V f₀=38KHZ)

※： 户内，无阳光直射接收窗；前、上方 1M 置 40W 电子整流日光灯干扰，200Lux 白炽灯光干扰。

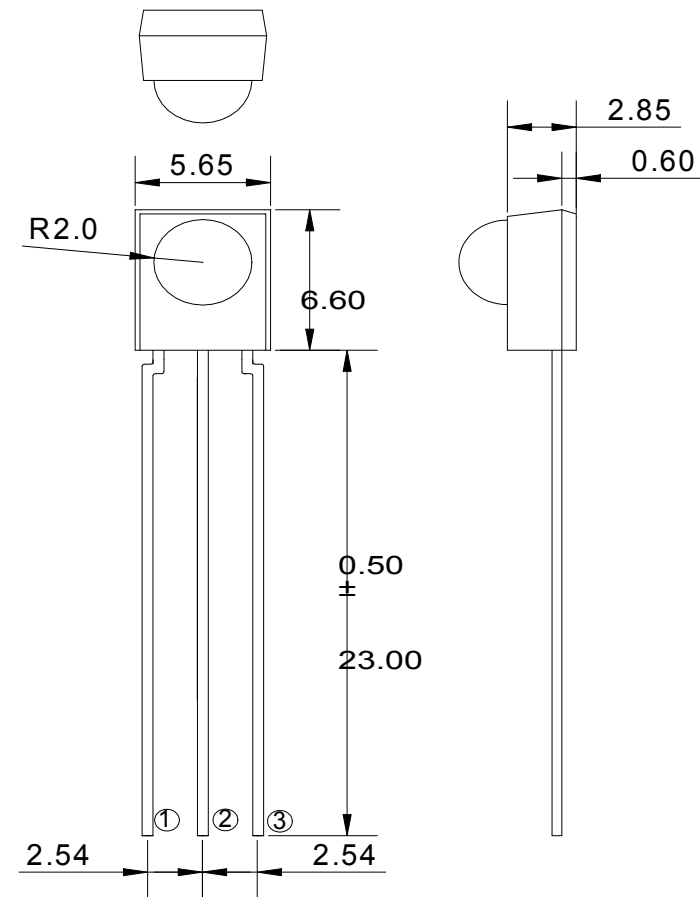
Parameter	Symbol	Ratings			Unit	Condition
		Min.	Typ.	Max.		
Supply Voltage	V _S	2.1	--	6.5	V	
Supply Current	I _{CC}	—	—	1.5	mA	No signal input
Reception Distance	L ₀	12	—	—	m	At the ray axis*1
	L ₄₅	6	—	—		
B.P.F Center Frequency	f ₀	—	38	—	KHz	
Peak Wavelength	λ _p	—	940	—	nm	
Half Angle	θ	—	45	—	deg	At the ray axis *1
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	—	—	0.5	V	

*1:The ray receiving surface at a vertex and relation to the ray axis in the range of θ=0° and θ=45°

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

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Package Dimension 外形尺寸圖：



Notes:

1. Unit 單位：(mm)
2. Tolerance 誤差：(±0.2)

① OUT
② GND
③ VCC