



INFRARED RECEIVER MODULE

1.ELEMENT APPEARANCE

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Model No.	Lighting Color	Resin Color
RT-IRM6883	Non-Visible	Water Clear

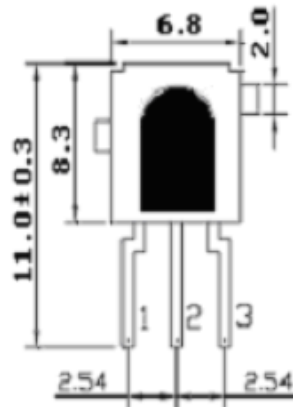
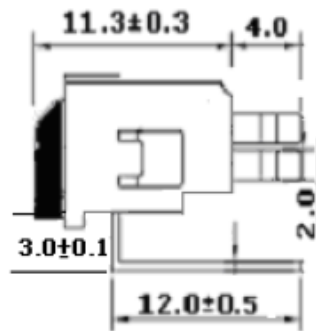
2.ABSOLUTE MAXIMUM RATINGS AT Ta=25°C

Characteristic	Symbol	Rating	Unit
Supply voltage	Vcc	5.5	V
Operating temperature	Topr	-20 to +85	°C
Storage temperature	Tstg	-40 to +85	°C

3.ELECTRO-OPTICAL CHARACTERISTICS AT Ta=25°C , Vcc=5V

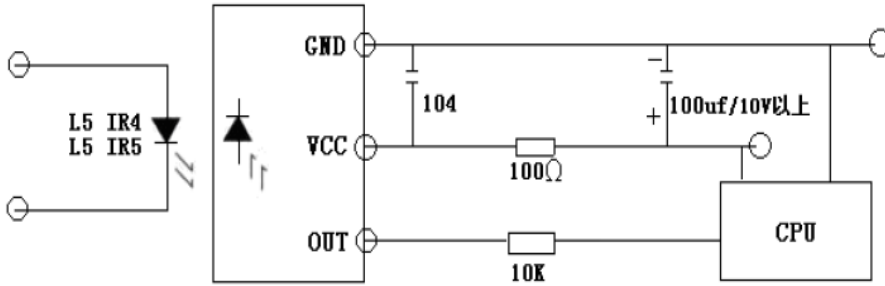
Characteristic	Symbol	Condition	Min.	Typ.	Max.	Unit
Current consumption	Icc	No input signal		0.9	1.5	mA
Supply voltage	Vcc		2.7	-	5.5	V
Carrier frequency	fo			38		kHz
Reception range	L ₀	See chapter, Test method'	15			m
	L ₃₅		10			
Viewing angle (horizontal)	2θ 1/2 h			35		deg.
Viewing angle (vertical)	2θ 1/2 v			35		
High level pulse width	T _H	Test signal according to figure 1	500	600	700	μs
Low level pulse width	T _L		500	600	700	
High level output voltage	V _{OH}	V _{CC} = 5 V	4.7	5.0		V
Low level output voltage	V _{OL}	I _{SINK} ≤ 2 mA		0.2	0.4	V

4.DIMENSIONS UNIT : m/m

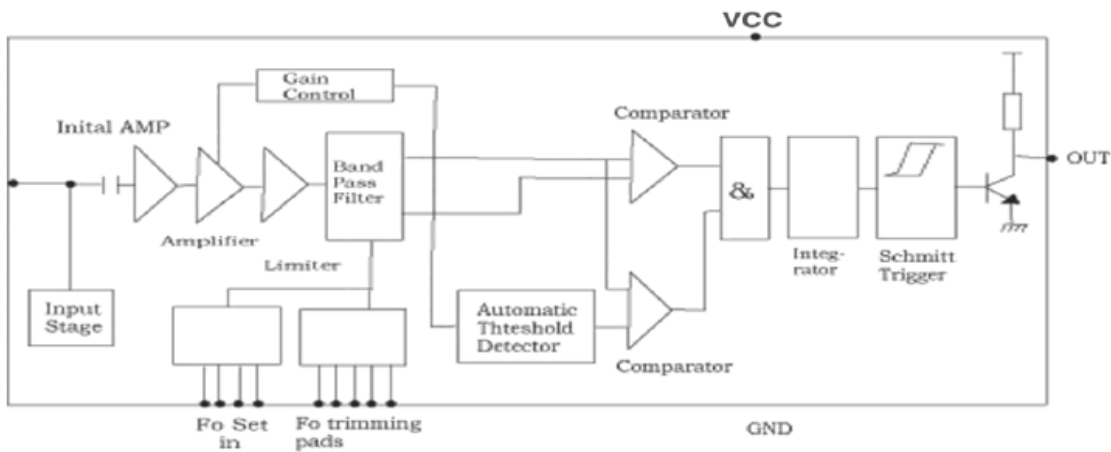


Pin arrangement:
1-OUT 2-GND 3-VCC

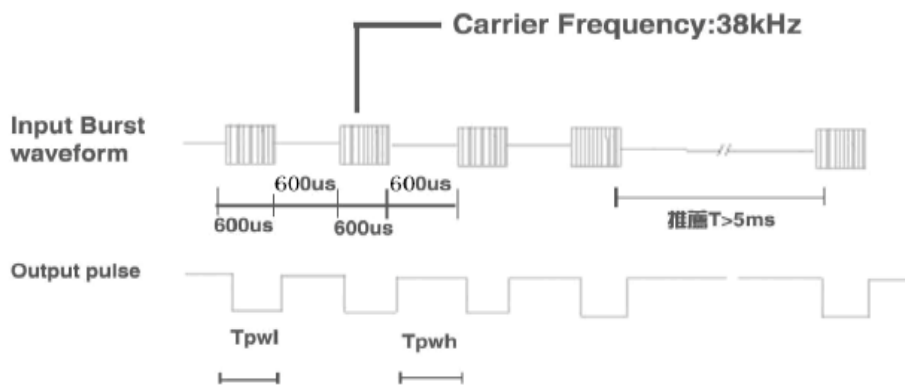
5. BLOCK DIAGRAM



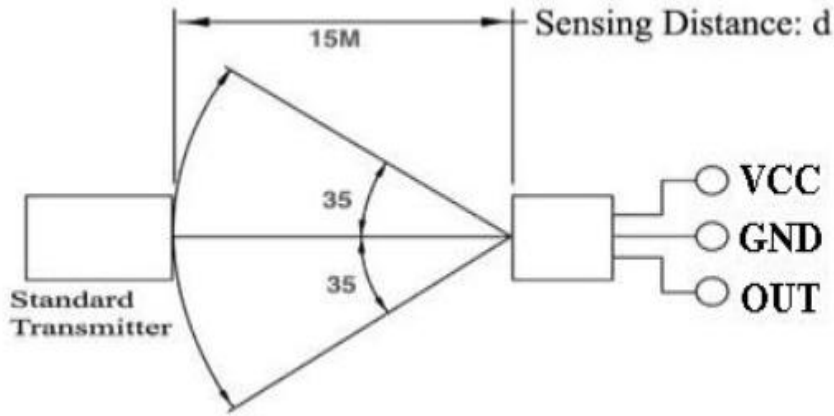
6. APPLICATION CIRCUIT



7. TEST METHOD



8. 接收角度圖:



9. TYPICAL CHARACTERISTICS :

