Y.LIN ELECTRONICS CO.,LTD.

Data Sheet

Customer: _____

Part No: YLM754/CS/36/38/W/OGV-D-2

Sample No: _____

Description: Receiver module

Item No: _____

Customer			
Check	Inspection	Approval	Date

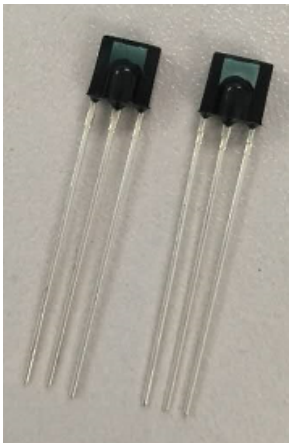
Y.LIN			
Drawn	Check	Approval	Date
			2017-01-16

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YLM754/CS/36/38/ W/OGV- D -2



Features:

. Second-ranking built-in dedicated IC;

. In designing the shape of small

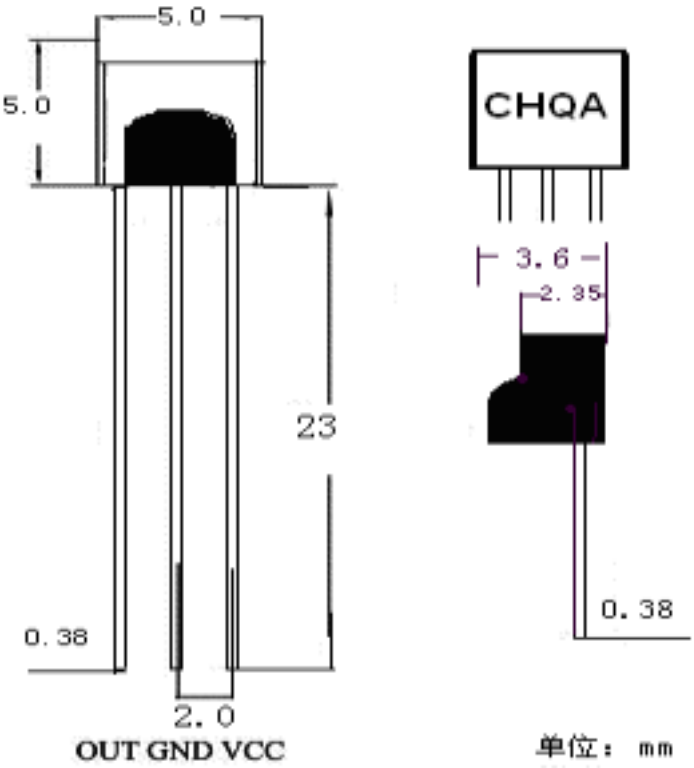
. Wide Angle and receiving over long distances

. Strong anti-interference ability

. Can resist the influence of the ambient light

Applications

- Other wireless remote control products
- Household appliances (air conditioners, electric fans, electric light)
- Audio-visual equipment （audio, television, video machine, disc machine, set-top boxes, DVB）



Notes：

1 . All dimension units are millimeters.

2. All dimension tolerance is ±0.5mm unless otherwise noted.

YLM754/CS/36/38/ W/OGV- D -2

Selection Guide

Part NO.	Lens Type	Peak wavelength	Carrier frequency	Viewing Angle
		λp	kHz	θ1/2
YLM754/CS/36/38/W/OGV-D-2	Black	940	38	+/-35

Note:

1.θ1/2 is the angle from optical centerline where the luminous intensity is1/2 the optical centenline value.

2.the above luminous intensity measurement allowance tolerance ±10%

Electrical /Optical Characteristics at Ta=25℃

Parameter	Symbol	Min	Typ.	Max	Units	Condition
Operating Voltage	Vs	2.7		5.5	V	
High level of output voltage	VH	2.7	3.0		V	Vcc=3V
		4.7	5.0		V	Vcc=5V
Low level output voltage	VL		0.2	0.4	V	
Static Current	Is		0.9	1.5	mA	Vcc=3V Input Signal=0
Reception Distance	L	10	15		m	Vcc=3V Ev=200±50lux
L level output pulse width	Twl	500	600	700	μs	Tx Burst Wave=600us
H level output pulse width	Twh	500	600	700	μs	

※ Does optic axis on testing to width is 500/700 mu s pulse for launch, in the receiving range of 5 cm, from the average of 50 times received pulse

Absolute Maximum Ratings at Ta=25℃

Parameter	Symbol	Rating	Units
Supply Voltage	Vcc	6.0	V
Operating Temperature	Topr	-25~+85	℃
Storage Temperature	Tstg	-40~+125	℃
Soldering Temperature	Tsol*1	280	℃

Test Method

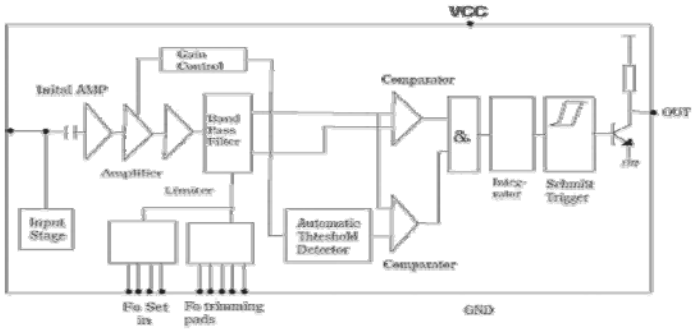


Fig1. Standard Transmitter Measurement Circuit

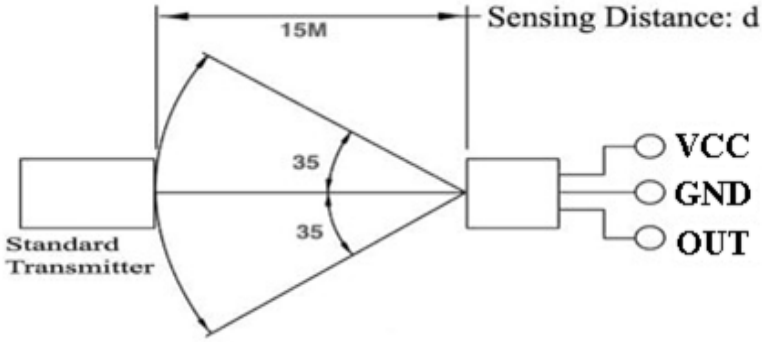


Fig2. θIndicates Horizontal And Vertical Directions

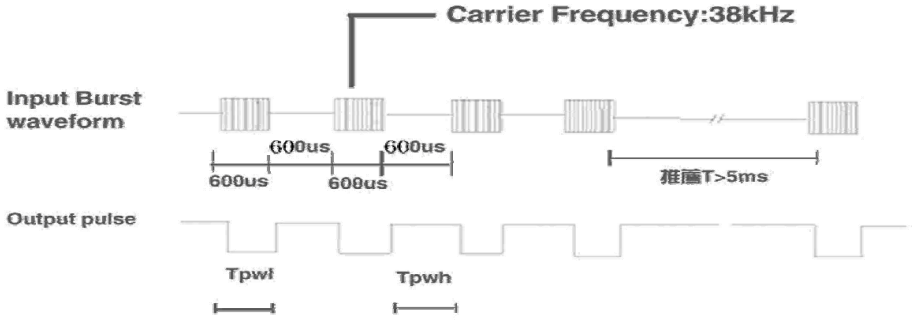


Fig3.Standard Transmitter Detection Pulse Length Test

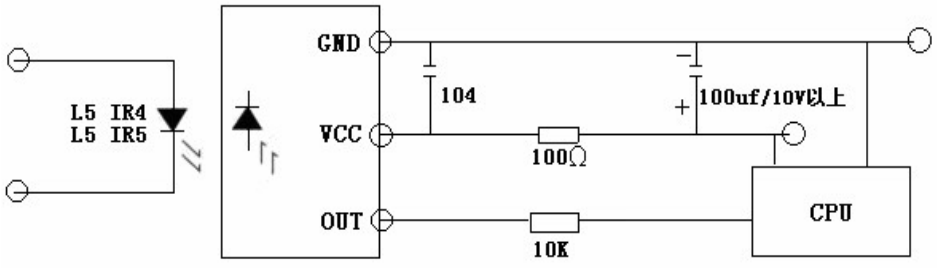


Fig4.Recommended Circuit

YLM754/CS/36/38/ W/OGV- D -2

Reliability Test Item And Condition

Test Item	Test Condition	Samples(n) Defective （C)
DC Operation Life	Vcc=5V ＊Test Time=1000HRS(-24HRS,+72HRS)	N=22,c=0
Storage at High Temperature	Ta=100±5℃ ＊Test Time=1000HRS(-24HRS,+72HRS)	N=22,c=1
Storage at Low Temperature	Ta=-40±5℃ ＊Test Time=1000HRS(-24HRS,+72HRS)	N=22,c=2
Storage at High Temperature/High Humidity	Ta:85℃,RH:85%　1000hrs	N=22,c=3
Temperature cycle	85℃~25℃~-40℃~25℃ (15min)(5min)(15min) (5min) 10 cycle test	N=22,c=4
Thermal Shock	85℃±5℃~ -40℃±5℃ (10min)　(10min) 10 cycle test	N=22,c=5
Solder heat	Temp:260±5℃　5sec Dwell Time=5±1secs	N=22,c=6

The reliability of products shall be satisfied with items listed below.
Confidence level :90%
LTPD:10%