



深圳国冶星光电科技股份有限公司  
GYX OPTOELECTRONICS CO.,LTD.

## 承认书

SPECIFICATION FOR APPROVAL

客户名称Customer: \_\_\_\_\_

产品型号Model: GYXM-1988AURG/半C

承认书编号No: DD-CR-1406-003

制作日期 Date: 2015-10-31

附产品规格书Enclosure is the specification

深圳国冶星光电科技股份有限公司 GYX OPTOELECTRONICS CO.,LTD.			
生产部 Production Dept.	品质部 Quality Dept.	工程部 Engineering Dept.	市场部 Marketing Dept.

客户确认签名 APPROVED SIGNATURES			

地址: 深圳市宝安区福永镇和平村重庆路大族激光产业园6栋4楼 邮编: 518103

ADDRESS: BLDG6, HAN,S LASER INDUSTRIAL PARK,CHONGQING ROAD,FUYON G,BAO, AN DISTRICT,SHENZHEN,CHINA,518103

电话Tel:0086-755-26686057,26895483

传真Fax:0086-755-26895481

Email:[gyx@gyx-led.com](mailto:gyx@gyx-led.com)

Website:[www.gyx-led.com](http://www.gyx-led.com)

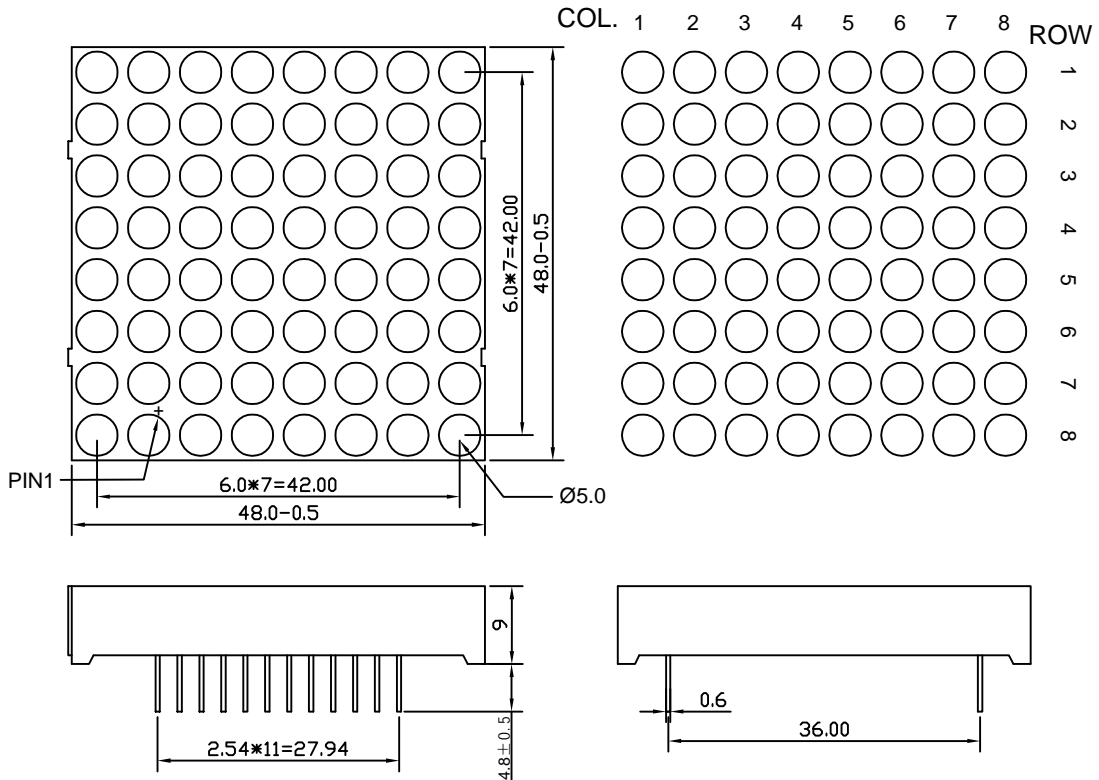


# GYXM-1988AURG/半C

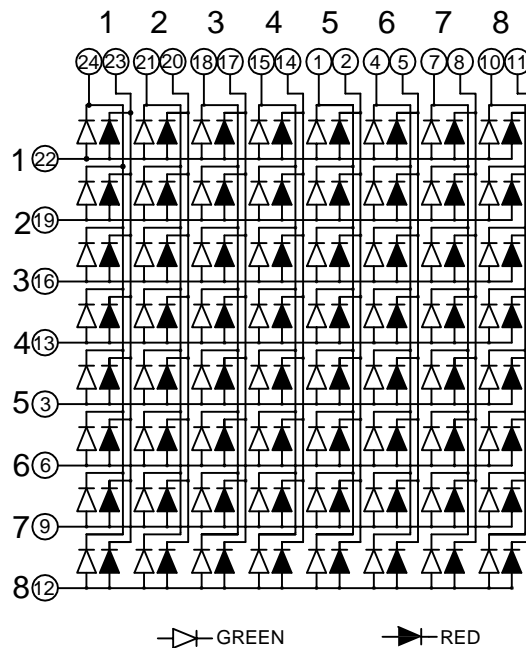
## 1.Features:

- High intensity and reliability
- High quality,Low power requirement
- IC compatible,Easy assembly
- ESD HBM2000V
- ROHS Compliant

## 2.Package Dimensions



## 3.Internal Circuit Diagram



### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.25\text{mm}$  (0.01") unless otherwise noted



## GYXM-1988AURG/半C

## 4.General Information

Part NO.	Chip Material	Emitting Color	Lens Type	Description
GYXM-1988AURG/半C	AllnGap	Red	Diffused	Common Anode
	AllnGap	Green		

## 5. Electrical / Optical Characteristics at Ta=25℃

Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Conditions
Luminous Intensity	Iv	Red	—	20	23	mcd	IF=20mA
		Green	—	28	32		
Peak Wavelength	λp	Red	—	—	—	nm	IF=20mA
		Green	—	—	—		
Dominant Wavelength	λD	Red	—	640	645	nm	IF=20mA
		Green	—	570	571		
Spectral Line Half-Width	Δλ	Red	—	—	45	nm	IF=20mA
		Green	—	—	45		
Forward Voltage	VF	Red	1.8	2.0	2.5	V	IF=20mA
		Green	1.8	2.0	2.5		
Reverse Current	IR		—	—	30	uA	VR=5V

## 6.Absolute Maximum Ratings at Ta=25℃

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	Pd	75	mW
Forward Current	IF	20	mA
Peak Forward Current (1)	IF(Peak)	80	mA
Reverse Voltage	VR	5	V
Operating Temperature Range	Topr	-35℃+85℃	
Storage Temperature Range	Tstg	-35℃+85℃	
Lead Solder Temperature (2)	Tsol	260℃ for 3 seconds	

## Notes:

- 1/10 duty cycle, 0.1ms pulse width.
- 2mm below package base.