



深圳市国冶星光电子有限公司
SHENZHEN GUOYEXING OPTOELECTRONICS CO.,LTD.

承 认 书

SPECIFICATION FOR APPROVAL

客户名称Customer: _____

产品型号Model : _____ GYXM-1588AURG/半C

承认书编号No: _____ DD-CR-1209-004

制作日期 Date: _____

附产品规格书Enclosure is the specification

深圳市国冶星光电子有限公司 SHENZHEN GUOYEXING 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2楼 邮编: 518103

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

电话Tel: +86-0755-26805191 QQ:1979978413

传真Fax: +86-0755-26686647

Email:gyx@gyx-led.com

Website:www.gyx-led.com



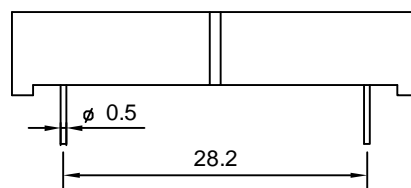
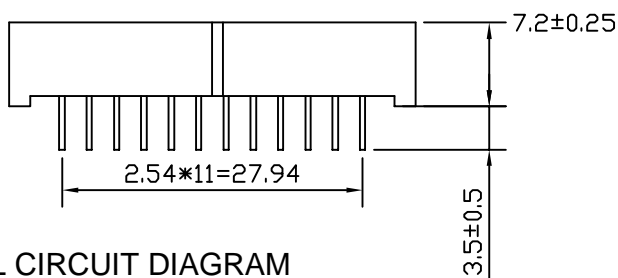
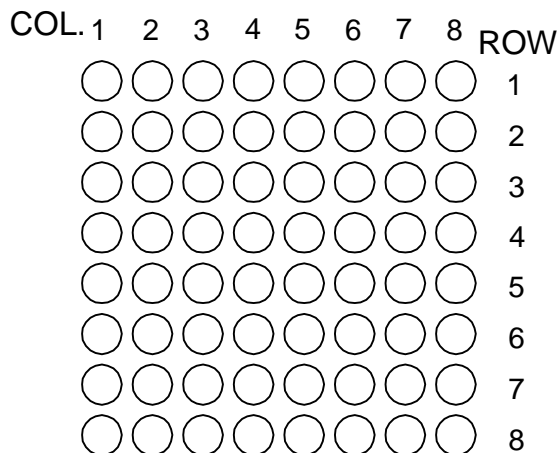
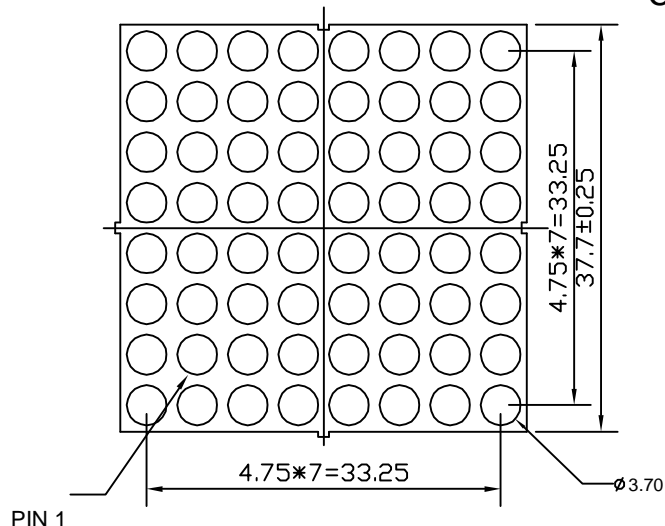
GYXM-1588AURG/半C

Features

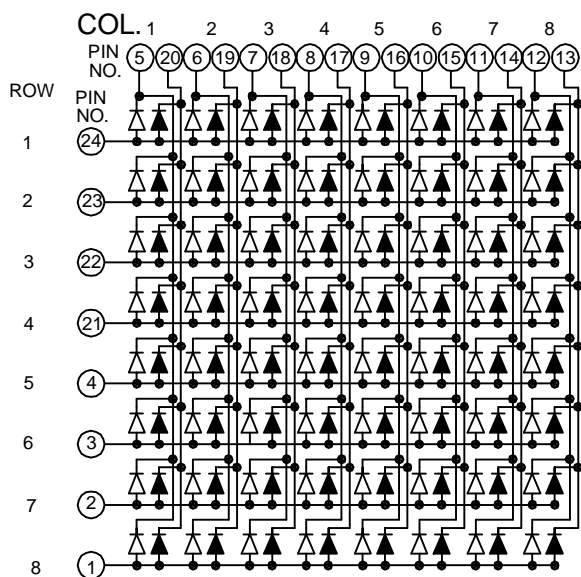
- ◆ Low current operation.
- ◆ Excelent character appearance.
- ◆ Easy mounting on P.C.boards or sockets.
- ◆ RoHS compliant
- ◆ Electrostatic sensitive devices



PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



NOTES:

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



GENERAL INFORMATION

Part NO.	Chip Material	Emitting Color	Lens Type	Description
GYXM-1588AURG/半C	AllnGap	RED	Diffused	common Anode
	AllnGap	GREEN		

Electrical/Optical Characteristics at Ta=25 °C

Parameter	Symbol	Typ.	Max.	Unit	Conditions
Luminous Intensity	I_v	20	—	mcd	$I_F=20\text{mA}$
		30	—		
Peak Wavelength	λ_P	—	—	nm	$I_F=20\text{mA}$
		—	—		
Dominant Wavelength	λ_D	635	—	nm	$I_F=20\text{mA}$
		571	—		
Spectral Line Half-Width	$\Delta\lambda$	—	45	nm	$I_F=20\text{mA}$
		—	30		
Forward Voltage	V_F	1.9	—	V	$I_F=20\text{mA}$
		2.0	—		
Reverse Current	I_R	—	50	μA	$V_R=5\text{V}$

Absolute Maximum Ratings at Ta=25 °C

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P_d	65	mW
Forward Current	I_F	20	mA
Peak Forward Current(1)	$I_F(\text{Peak})$	80	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-30° c+80° c	
Storage Temperature	T_{stg}	-30° c+80° c	
Lead Solder Temperature(2)	T_{sol}	260° c for 3~5 seconds	

Notes:

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