



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-3057ASRG

企业号No.: GYX-G-003

客户号Customer No: DDCG0040

日期Date: 2007-10-08

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.

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客户确认签名

APPROVED SIGNATURES

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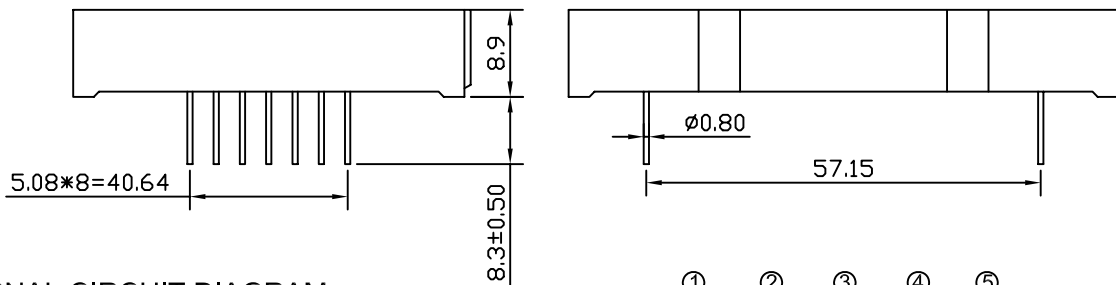
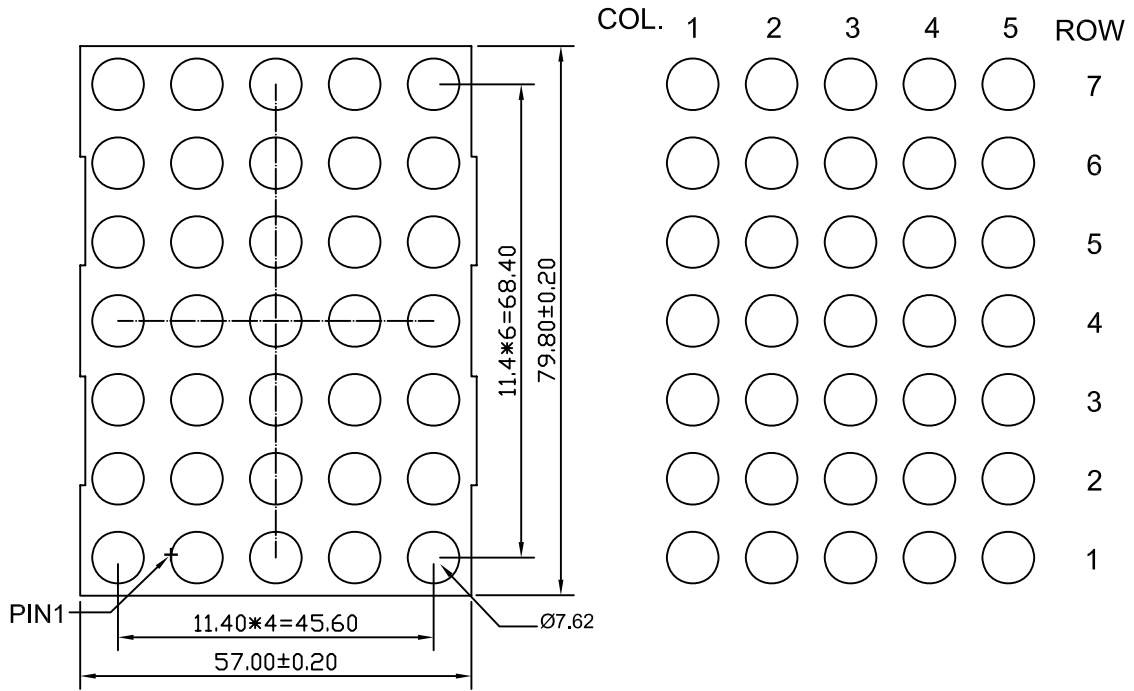
Email: gyx@gyx-led.com

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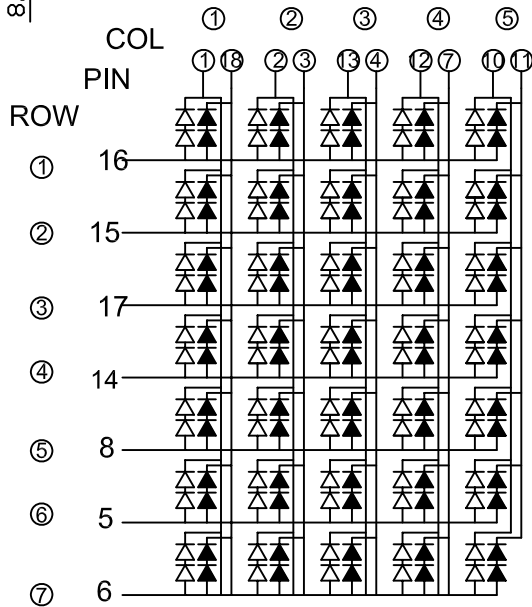


GYXM-3057ASRG

PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



NOTES:

- 1. All Dimensions are in millimeters.
- 2. Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted

—▷ GREEN ▷— RED



GENERAL INFORMATION

Part NO.	Chip Material	Emitting Color	Lens Type	Description
GYXM-3057ASRG	GaAIAs/GaAs	RED	DIFFUSED	Common Anode
		GREEN		

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Typ.	Max.	Unit	Conditions
Luminous Intensity	I _v	12	13	mcd	I _F =20mA
		12.5	13.5		
Peak Wavelength	λ _P			nm	I _F =20mA
Dominant Wavelength	λ _D	643	645	nm	I _F =20mA
		570	573		
Spectral Line Half-Width	Δλ	—	45	nm	I _F =20mA
		—	30		
Forward Voltage	V _F	1.80	1.85	V	I _F =20mA
		1.8	2.6		
Reverse Current	I _R		50	uA	V _R =5V

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 (Peak)	120	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{opr}	-40° c+80° c	
Storage Temperature	T _{stg}	-40° c+80° c	
Lead Solder Temperature(2)	T _{sol}	260° c for 5 seconds	

Notes:

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