



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: _____

客户型号Customer Model: _____

产品型号Model: GYXS-2381AUR

企业号No.: GYX-G-003

客户号Customer No: DDCG0319

日期Date: 2008-07-25

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.	质量部 Quality Dept.	工程部 Engineering Dept.	市场部 Marketing Dept.
张述花	程斯容	廖晶晶	韩丽娟

客户确认签名
APPROVED SIGNATURES

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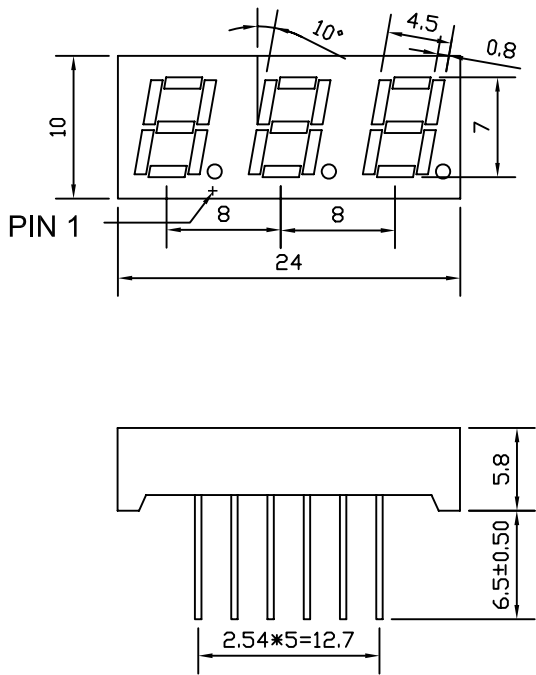
Email:gyx@gyx-led.com

Website:www.Gyx-led.com

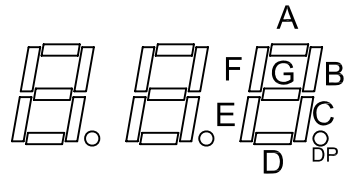


GYXS-2381AUR

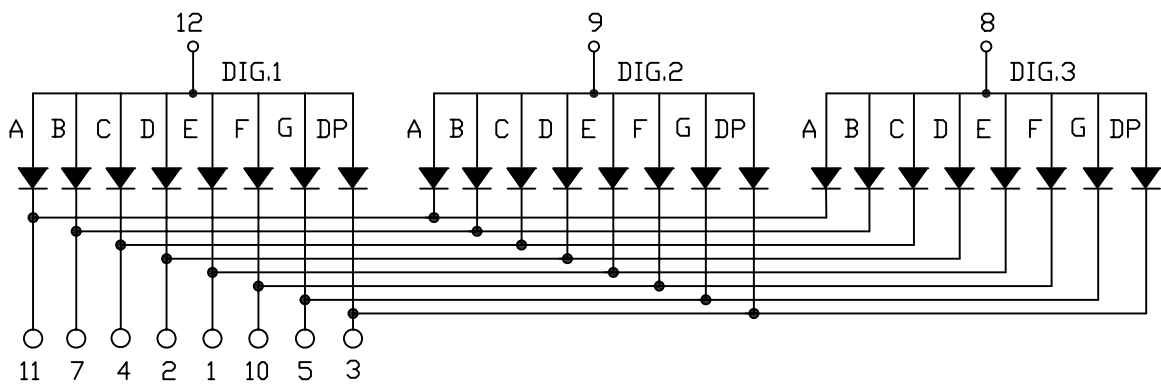
PACKAGE DIMENSIONS



DIG.1 DIG.2 DIG.3



INTERNAL CIRCUIT DIAGRAM



6 NO CONNECT

NOTES:

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



GENERAL INFORMATION

Part NO.	Chip Material	Emitting Color	Lens Type	Description
GYXS-2381AUR	AlInGaP	RED	Diffused	Common Anode

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Typ.	Max.	Unit	Conditions
Luminous Intensity	Iv	20	30	mcd	IF=20mA
Peak Wavelength	λ_P	—	—	nm	IF=20mA
Dominant Wavelength	λ_D	632	636	nm	IF=20mA
Spectral Line Half-Width	$\Delta\lambda$	—	—	nm	IF=20mA
Forward Voltage	VF	1.9	2.3	V	IF=20mA
Reverse Current	IR		50	uA	VR=5V

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	Pd	75	mW
Forward Current	IF	20	mA
Peak Forward Current(1)	IF(Peak)	120	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-40° c+80° c	
Storage Temperature	Tstg	-40° c+80° c	
Lead Solder Temperature(2)	Tsol	260° c for 5 seconds	

Notes:

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