



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

承 认 书
SPECIFICATION FOR APPROVAL

客户名称Customer: _____

产品型号Model: GYXS-5461AUR

企业号No.: GYX-G-003

客户号Customer No: DDCG0202

日期Date: 2008-03-08

附产品规格书Enclosure is the specification

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客户确认签名
APPROVED SIGNATURES

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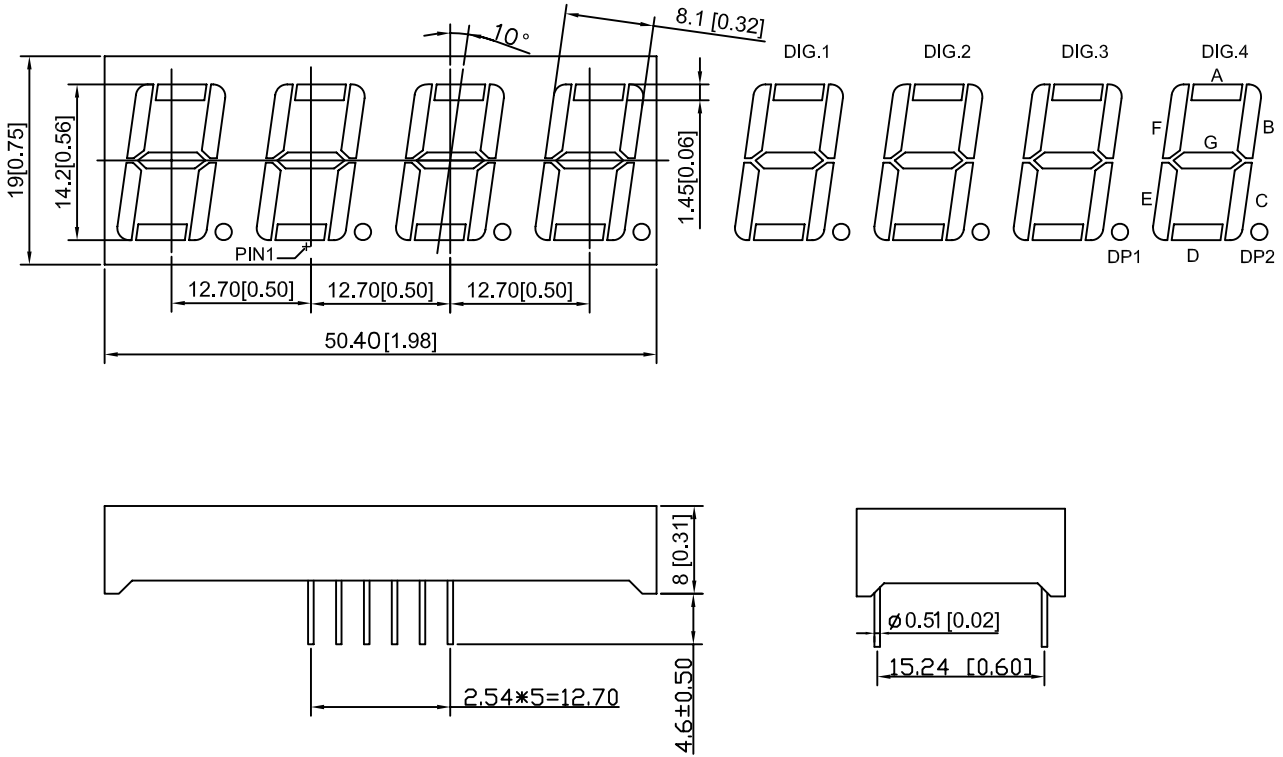
Email: gyx@gyx-led.com

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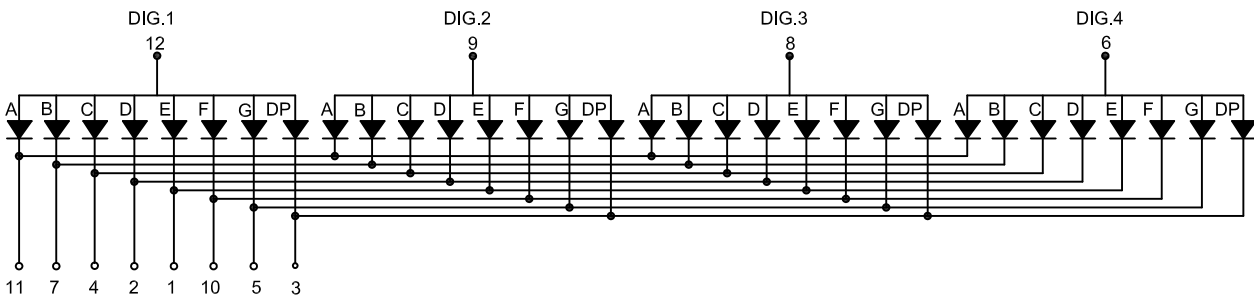


GYXS-5461AUR

PACKAGE DIMENSIONS



INTERNAL CIRCUIT DIAGRAM



Notes:

1. All dimensions are in millimeters (inch), Tolerance is $\pm 0.25\text{mm}$ ($0.01''$) unless otherwise noted.
2. The specification may be changed without notice.



GENERAL INFORMATION

Part NO.	Chip Material	Emitting Color	Lens Type	Description
GYXS-5461AUR	GaAlAs/GaAs	RED	Diffused	common Anode

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Typ.	Max.	Unit	Conditions
Luminous Intensity	I _v	25	30	mcd	I _F =20mA
Peak Wavelength	λ _P	—	—	nm	I _F =20mA
Dominant Wavelength	λ _D	635	640	nm	I _F =20mA
Spectral Line Half-Width	Δλ	—	45	nm	I _F =20mA
Forward Voltage	V _F	1.9	2.1	V	I _F =20mA
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.