# GYXM-1588ASRG PACKAGE DIMENSIONS COL.1 **ROW** 1 2 3 4 5 6 7 8 4.7\*7=32.90 **-ø**3.70 37.80 PIN 1 ø 0.5 28.2 2.54\*11=27.94 INTERNAL CIRCUIT DIAGRAM ROW 1 2 3 5 NOTES: -D+ =GREEN → =ORANGE 1. All Dimensions are in millimeters(inches). 2. Tolerance is $\pm 0.25$ mm(0.01")unless otherwise noted



## GUOYEXING OPTOELECTRONICS CO., LTD.

#### **GENERAL INFORMATION**

Part NO.	Chip Material	Emitting Color	Lens Type	Description	
GYXM-1588ASRG	GaAlAs/GaAs	RED	diffused	common Anode	
GTAIN-1300ASKG	GaP	GREEN	umuseu	common Anode	

### Electrical/Optical Characteristics at Ta=25°C

Liectrical/Optical Griaracteristics at Ta=25 G							
Parameter	Symbol	Тур.	Max.	Unit	Conditions		
Luminous Intensity	lv	11	_	- mcd	<b>İ</b> F=20mA		
,		12	_				
D = - 1/2 \Alpha	λP			nm	<b> </b> F=20mA		
Peak Wavelength							
Dominant Wavelength	λD	645	_	- nm	<b> </b> F=20mA		
Dominant Wavelength		572	_				
Spectral Line Half-Width	Δλ	_	45	nm	<b> </b> F=20mA		
Opecifal Line Transvious		_	30				
Forward Voltage	VF	1.85	1.95	V	F=20mA		
Torward Voltage		2.26	2.35				
Reverse Current	<b>I</b> R	50	_	uA	VR=5V		
			L				

#### Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	Pd	65	mW
1 Ower Bloodpation		75	
Forward Current	lF	20	mA
Pook Forward Current(1)		120	
Peak Forward Current(1)	Ir(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. 1/10 duty cycle, 0.1ms pulse width.
- 2. 2mm below package base.