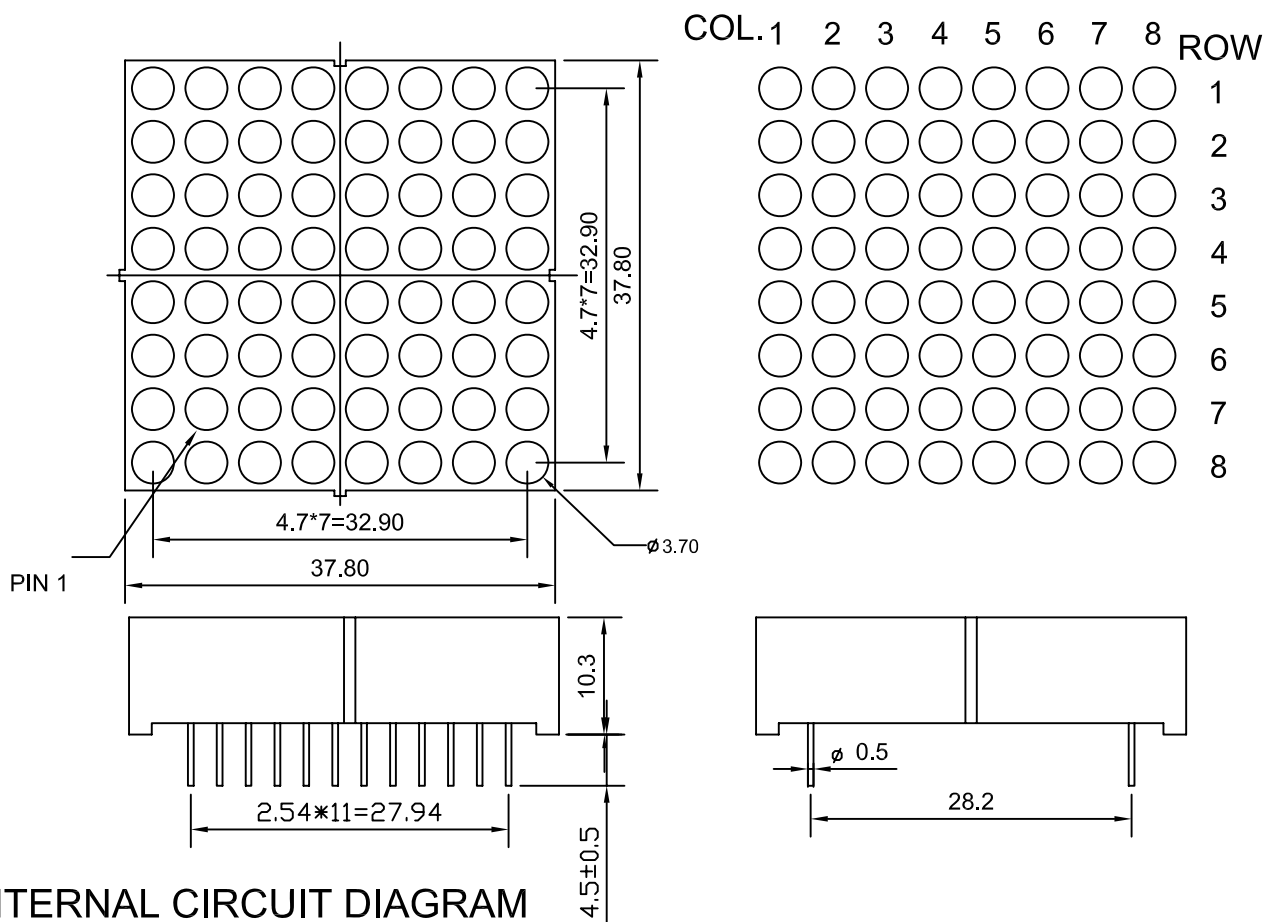


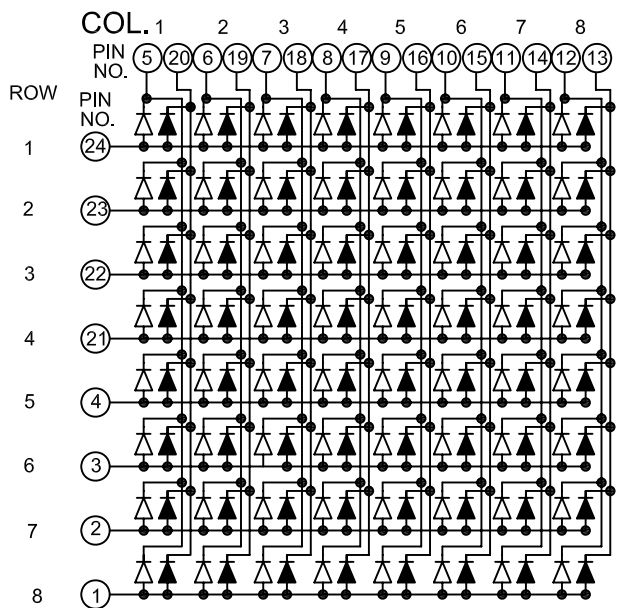


# GYXM-1588ASRG

## 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-1588ASRG	GaAlAs/GaAs	RED	diffused	common Anode
	GaP	GREEN		

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

Parameter	Symbol	Typ.	Max.	Unit	Conditions
Luminous Intensity	I <sub>v</sub>	11	—	mcd	I <sub>F</sub> =20mA
		12	—		
Peak Wavelength	λ <sub>P</sub>	—	—	nm	I <sub>F</sub> =20mA
		—	—		
Dominant Wavelength	λ <sub>D</sub>	645	—	nm	I <sub>F</sub> =20mA
		572	—		
Spectral Line Half-Width	Δλ	—	45	nm	I <sub>F</sub> =20mA
		—	30		
Forward Voltage	V <sub>F</sub>	1.85	1.95	V	I <sub>F</sub> =20mA
		2.26	2.35		
Reverse Current	I <sub>R</sub>	50	—	uA	V <sub>R</sub> =5V

## Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P <sub>d</sub>	65	mW
		75	
Forward Current	I <sub>F</sub>	20	mA
Peak Forward Current(1)	I <sub>F</sub> (Peak)	120	mA
		120	
Reverse Voltage	V <sub>R</sub>	5	V
Operating Temperature	T <sub>opr</sub>	-40° c +80° c	
Storage Temperature	T <sub>stg</sub>	-40° c +80° c	
Lead Solder Temperature(2)	T <sub>sol</sub>	260° c for 5 seconds	

## Notes:

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