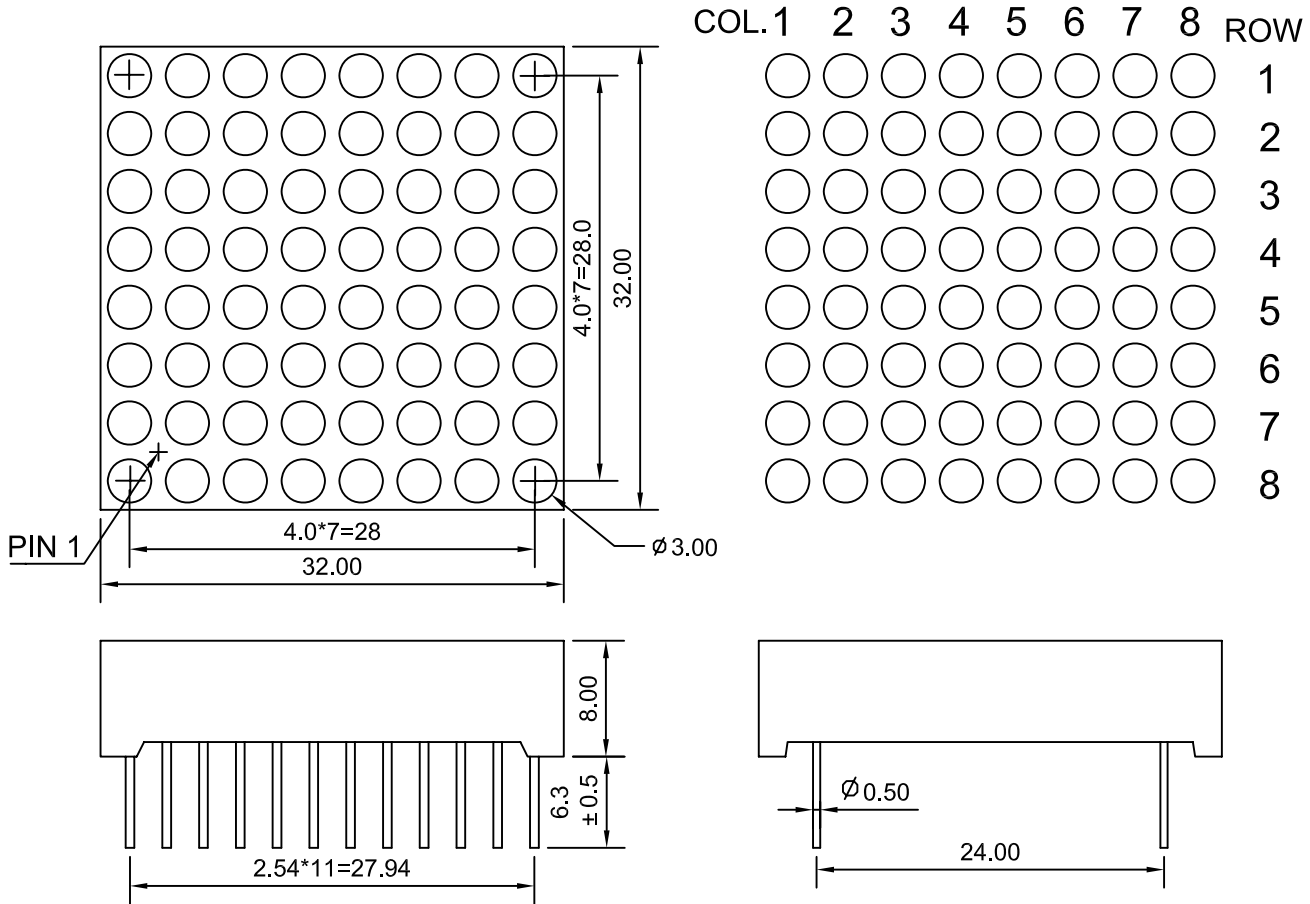


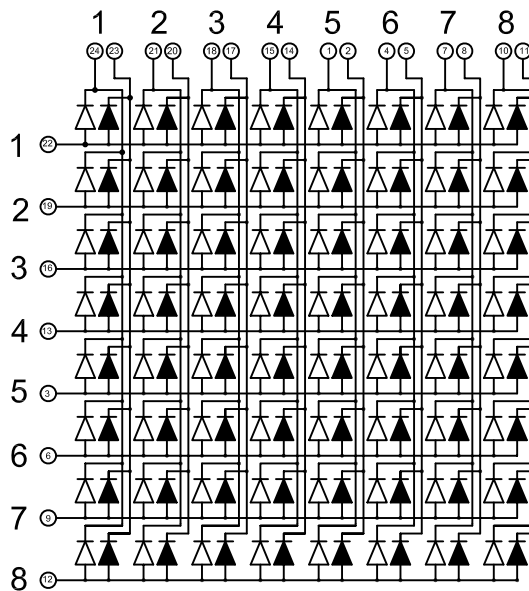


# GYXM-1388ASRG

## PACKAGE DIMENSIONS



## INTERNAL CIRCUIT DIAGRAM



## 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
GYXM-1388ASRG	GaAlAs/GaAs	RED	water clear	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
		11.5	—		
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
		2.20	2.30		
Reverse Current	I <sub>R</sub>	50	—	μA	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.