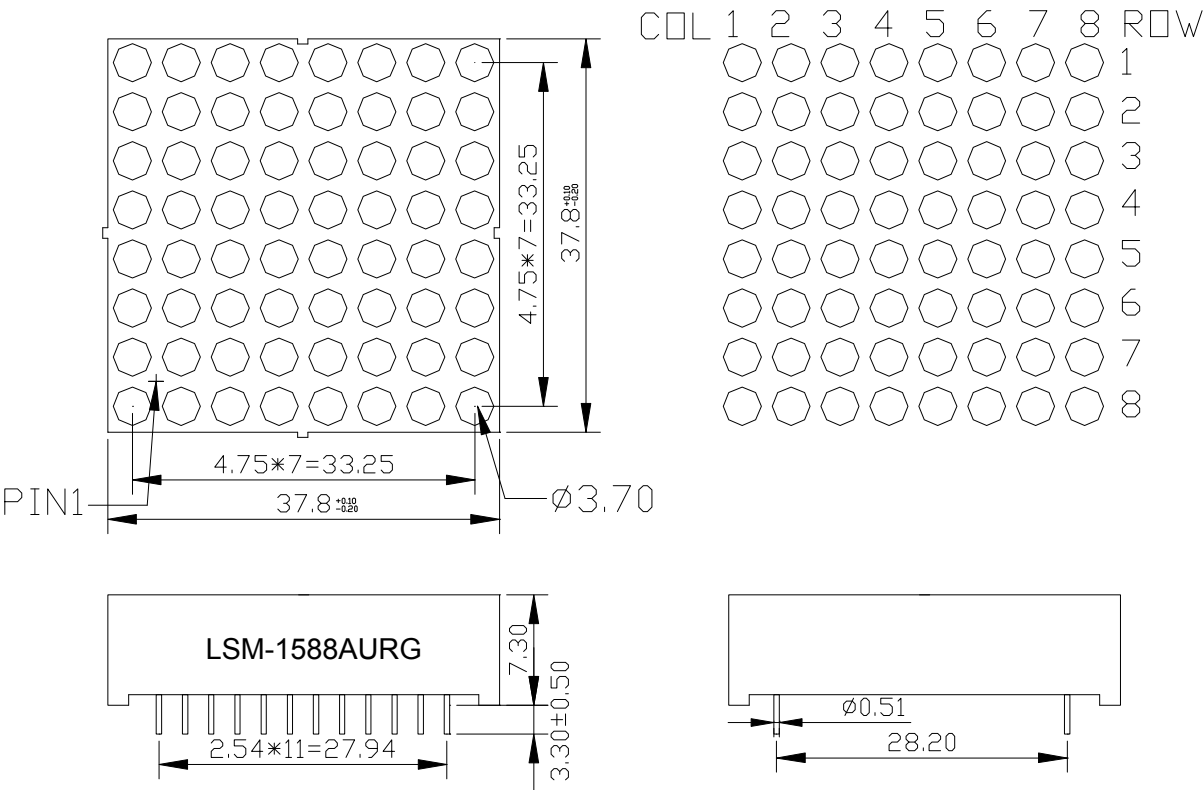
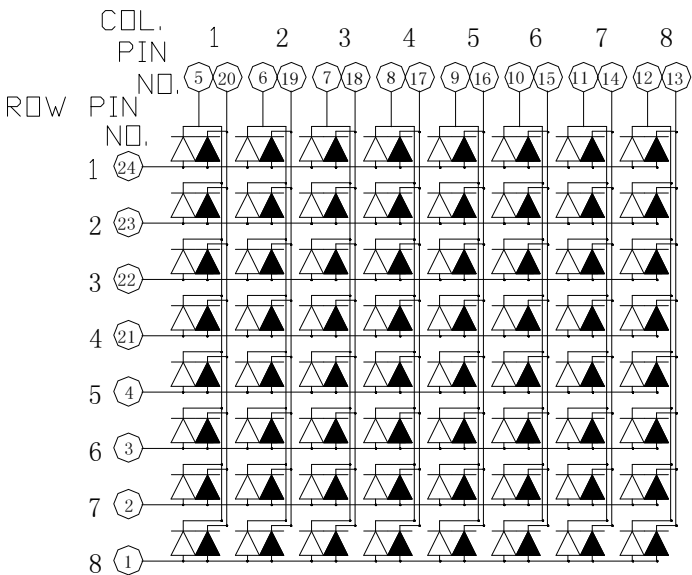


LSM-1588AURG

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
LSM-1588AURG	GaInAlP	GREEN	RED	Water clear	Common Anode

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Emitting Color	Typ.	Max.	Unit	Conditions
Luminous Intensity	I _v	GREEN	65	70	mcd	I _F =20mA
		RED	72.4	85.0		
Peak Wavelength	λ _P	GREEN	572		nm	I _F =20mA
		RED	622			
Dominant Wavelength	λ _D	GREEN	573		nm	I _F =20mA
		RED	623			
Spectral Line Half-Width	Δλ	GREEN	—		nm	I _F =20mA
		RED	—			
Forward Voltage	V _F	GREEN	2.07	2.16	V	I _F =20mA
		RED	2.02	2.06		
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	140	mW
Forward Current	I _F	20	mA
Peak Forward Current(1)	I _F (Peak)	80	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.

