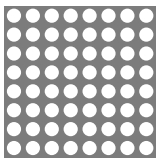
Ø 3.0 8x8 Dot Matrix Dual Color LED Display

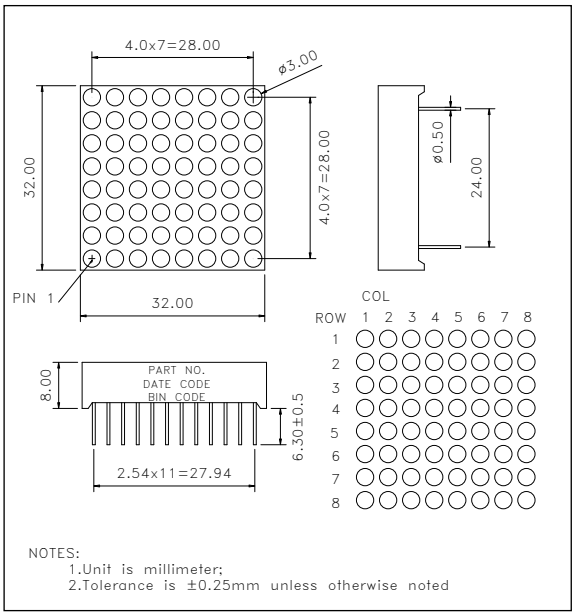


1.22" (31.0mm) matrix height

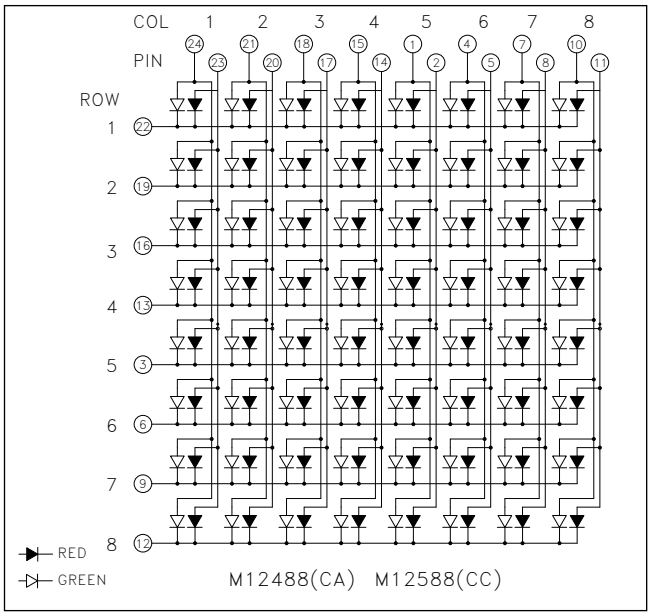
• ABSOLUTE MAXIMUM RATINGS : (Ta=25℃)

PARAMETER	SR RED	RED ORANGE	GREEN	UNIT
Power Dissipation Per Seg	72	65	65	mW
Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width)	125	100	100	mA
Continuous Forward Current Per Seg Derating Linear From 25℃ Per Seg	30 0.42	25 0.33	25 0.33	mA mA/℃
Reverse Voltage Per Seg	5	5	5	v
Operating Tem Range	-35℃ to + 85℃			
Storage Tem Range	-35℃ to + 85℃			
Solder Tem 1/16 inch Below Seating Plane at 260℃ for 3 seconds				

• PACKAGE DIMENSIONS



• INTERAL CIRCUIT DIAGRAM



• ELECTRIAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λp/λd (nm)	Half-Spectral Width(Δλ)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
M124880EG···	RED ORANGE	632/622	35	CA	0.7	1.5	Ip=80mA 1/16 Duty	2	20
	GREEN	568/570	30		0.7	1.5		2.1	20
M124880SU···	SR RED	660/643	20	CA	1.1	2.8		1.8	20
	GREEN	568/570	30		0.8	2.0		2.1	20

Notes : These components are also available in :

- **Low Current**
- **AlInGaP high intensity red,orange,yellow green,amber**