

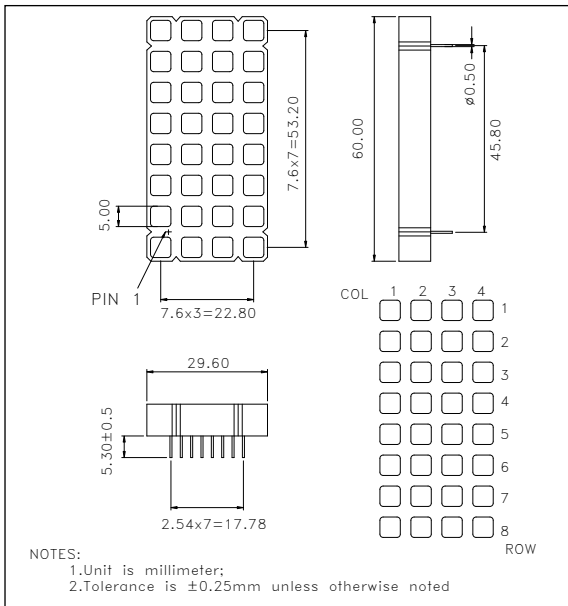
## 5.0 Square 4x8 Dot Matrix Dual Color LED Display

2.3" (58.34mm) matrix height

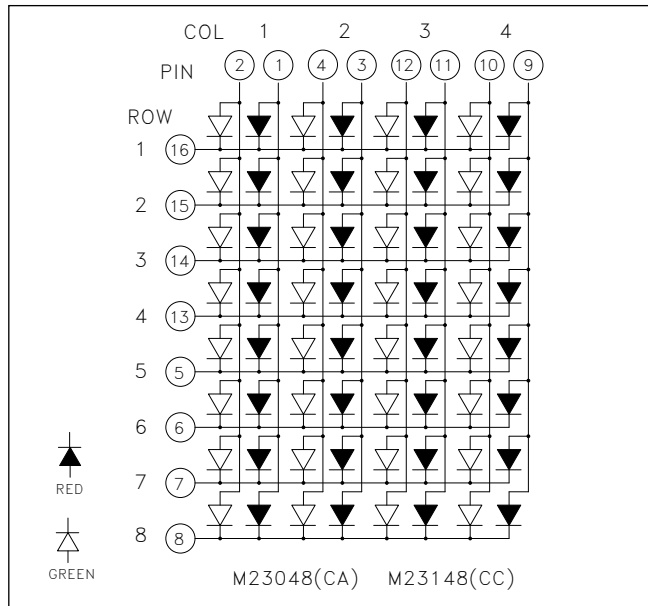
• **ABSOLUTE MAXIMUM RATINGS** : (Ta=25°C)

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	30	25	25	mA
Derating Linear From 25°C Per Seg	0.42	0.33	0.33	mA/°C
Reverse Voltage Per Seg	5	5	5	v
Operating Tem Range	-35°C to + 85°C			
Storage Tem Range	-35°C to + 85°C			
Solder Tem 1/16 inch Below Seating Plane at 260°C for 3 seconds				

### • PACKAGE DIMENSIONS



### • INTERNAL CIRCUIT DIAGRAM



### • ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	$\lambda_p/\lambda_d$ (nm)	Half-Spectral Width( $\Delta\lambda$ )	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
M230480EG...	RED ORANGE	632/622	35	CA	1.4	3.5	Ip=80mA 1/16 Duty	2	20
	GREEN	568/573	30		1.4	3.5		2.1	20
M230480SU...	SR RED	660/643	20	CA	2.2	5.5		1.8	20
	GREEN	568/570	30		2.0	5.0		2.1	20

Notes : These components are also available in :

- Low Current
- AllnGaP high intensity red,orange,yellow green,amber