

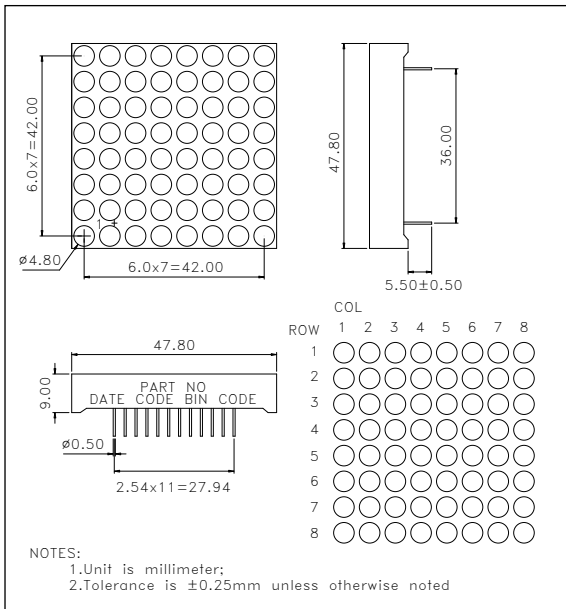
Ø 4.8 8x8 Dot Matrix Dual Color LED Display

1.85" (46.8mm) matrix height

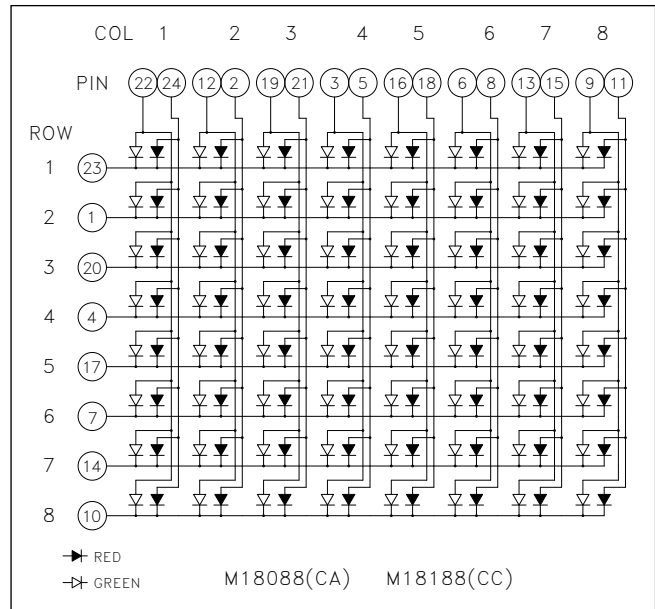
• ABSOLUTE MAXIMUM RATINGS : (T_a=25°C)

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



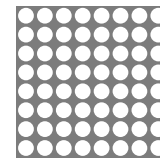
• ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min(mcd)	Typ.(mcd)	@ I _F (mA)	Typ.(V)	@ I _F (mA)
M180880EG...	RED ORANGE	632/622	35	CA	1.1	2.6	I _p =80mA 1/16 Duty	2	20
	GREEN	568/573	30		1.1	2.6		2.1	20
M180880SU...	SR RED	660/643	20	CA	1.5	4.8		1.8	20
	GREEN	568/570	30		1.6	4.0		2.1	20

Notes : These components are also available in :

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

Ø 4.8 8x8 Dot Matrix Dual Color LED Display

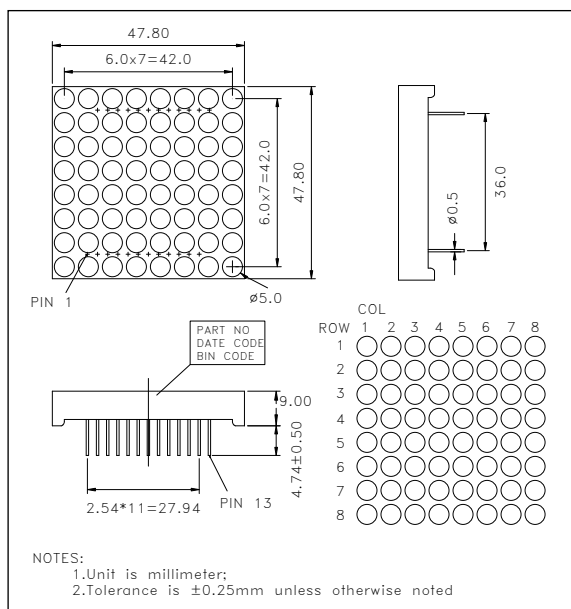


1.85" (46.8mm) matrix height

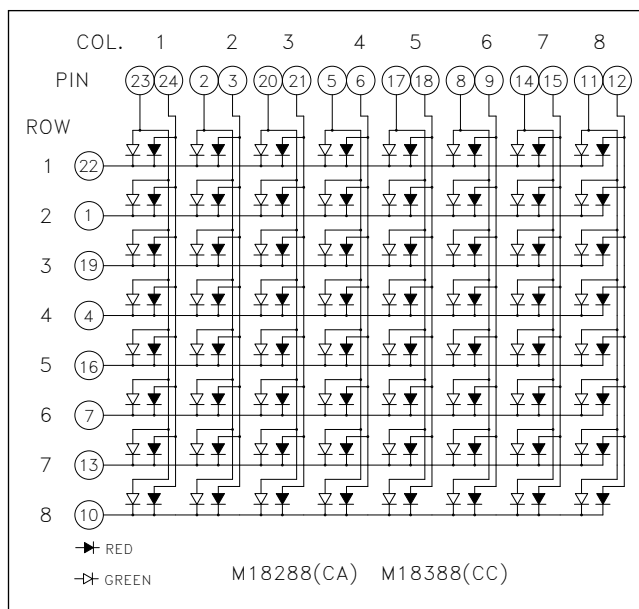
• ABSOLUTE MAXIMUM RATINGS : (Ta=25°C)

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
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Solder Tem 1/16 inch Below Seating Plane at 260°C for 3 seconds				

• PACKAGE DIMENSIONS



• INTERNAL CIRCUIT DIAGRAM

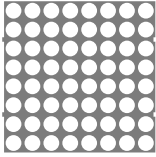


• ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min.(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
M182880EG...	RED ORANGE	632/622	35	CA	1.1	2.6	Ip=80mA 1/16 Duty	2	20
	GREEN	568/570	30		1.1	2.6		2.1	20
M182880SU...	SR RED	660/643	20	CA	1.5	4.8		1.8	20
	GREEN	568/570	30		1.6	4.0		2.1	20

Notes : These components are also available in :

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



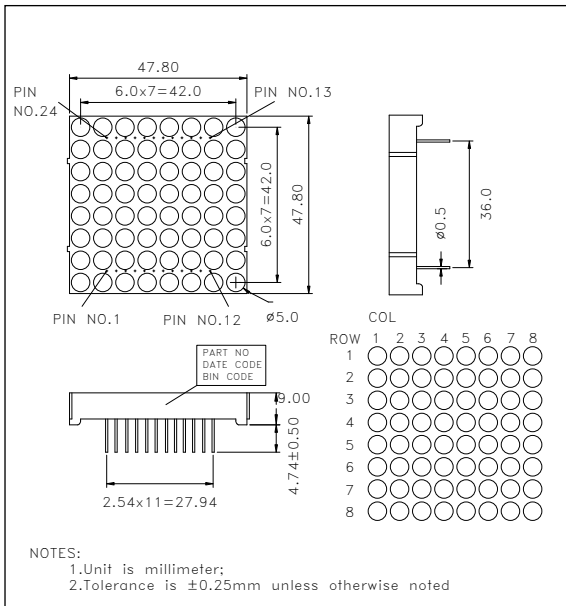
Ø 5.0 8x8 Dot Matrix Dual Color LED Display

1.85" (46.8mm) matrix height

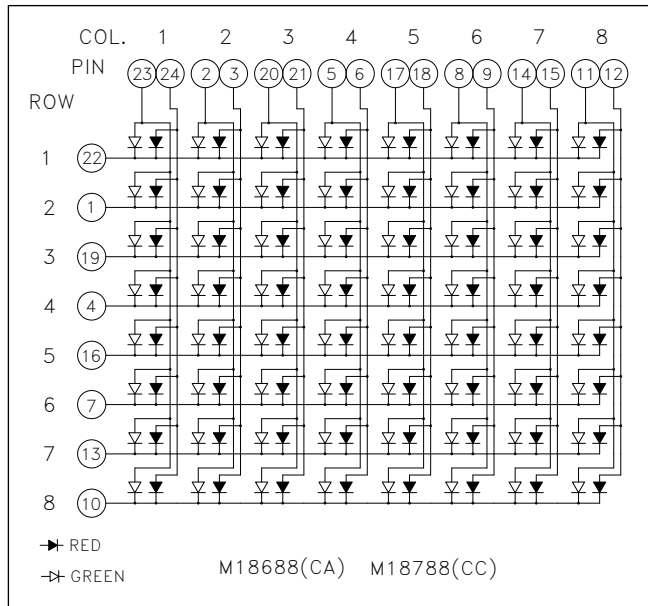
● ABSOLUTE MAXIMUM RATINGS : (T_a=25°C)

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
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● PACKAGE DIMENSIONS



● INTERNAL CIRCUIT DIAGRAM



● ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min(mcd)	Typ.(mcd)	@ I _F (mA)	Typ.(V)	@ I _F (mA)
M186880EG...	RED ORANGE	632/622	35	CA	1.1	2.6	I _p =80mA 1/16 Duty	2	20
	GREEN	568/573	30		1.1	2.6		2.1	20
M186880SU...	SR RED	660/643	20	CA	1.5	4.8		1.8	20
	GREEN	568/570	30		1.6	4.0		2.1	20

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