

Ø 5.0 5x7 Dot Matrix Dual Color LED Display

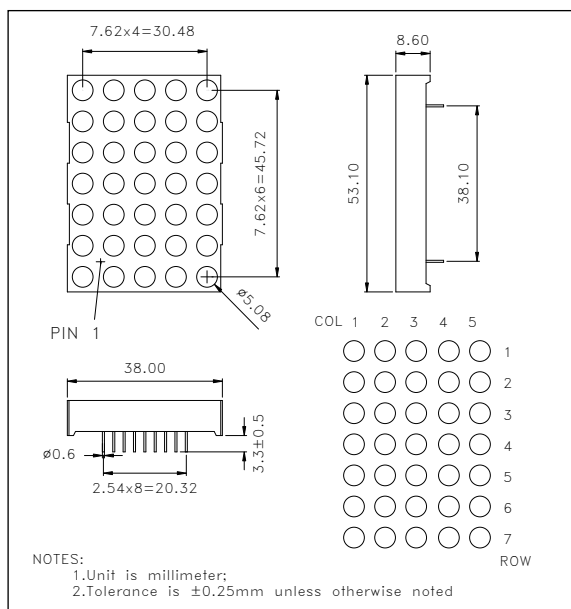


2.0" (50.8mm) matrix height

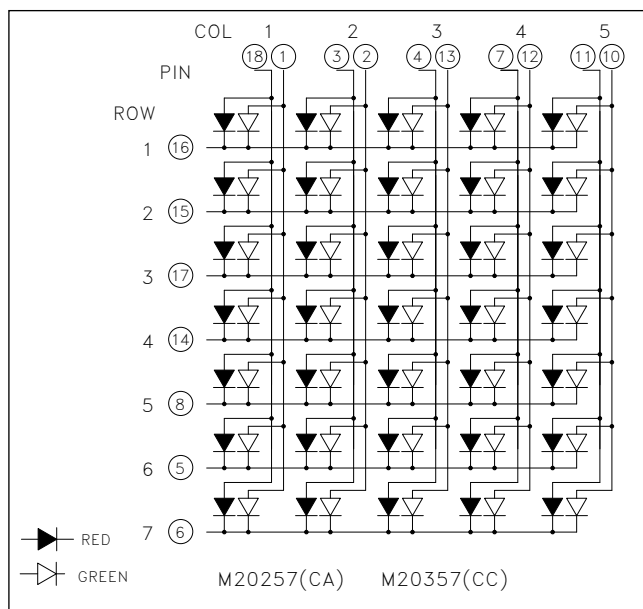
• ABSOLUTE MAXIMUM RATINGS : (Ta=25°C)

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 Derating Linear From 25°C Per Seg	30 0.42	25 0.33	25 0.33	mA 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

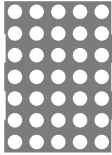


• ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min.(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
M202570EG...	RED ORANGE	632/622	35	CA	1.2	3.0	Ip=80mA 1/16 Duty	2	20
	GREEN	568/570	30		1.2	3.0		2.1	20
M202570SU...	SR RED	660/643	20	CA	2.0	5.0		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



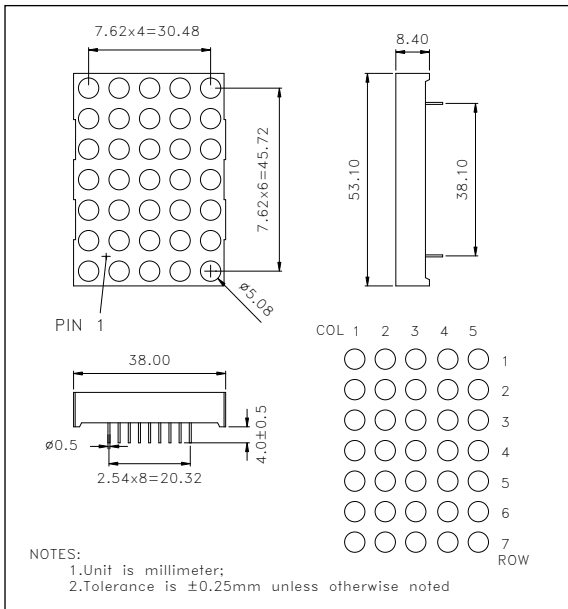
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2.0" (50.8mm) matrix height

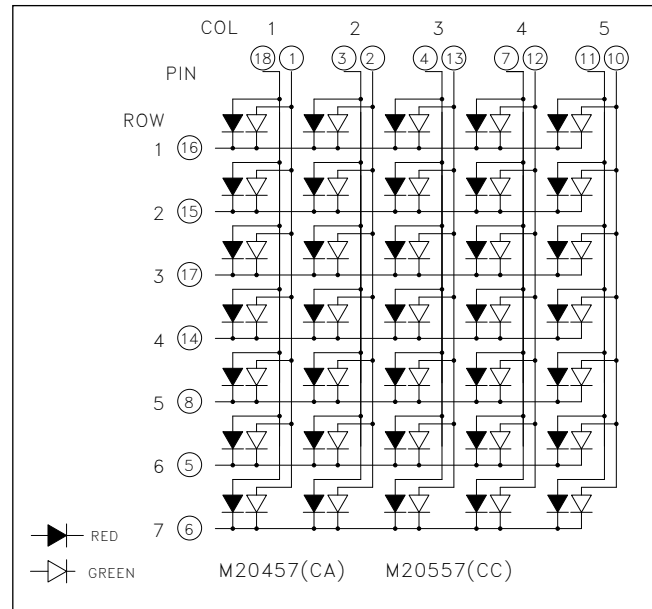
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Reverse Voltage Per Seg	5	5	5	v
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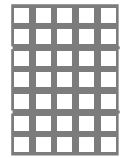
• ELECTRICAL/OPTICAL CHARACTERISTICS

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					Min.(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
M204570EG...	RED ORANGE	632/622	35	CA	1.2	3.0	Ip=80mA 1/16 Duty	8	20
	GREEN	568/573	30		1.2	3.0		8.4	20
M204570SU...	SR RED	660/643	20	CA	2.0	5.0		8	20
	GREEN	568/570	30		1.2	4.0		8.4	20

Notes : These components are also available in :

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5.0 Square 5x7 Dot Matrix Dual Color LED Display

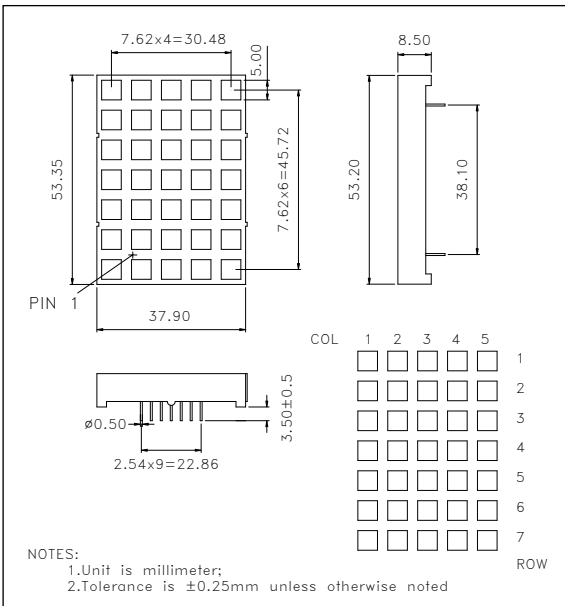


2.0" (50.8mm) matrix height

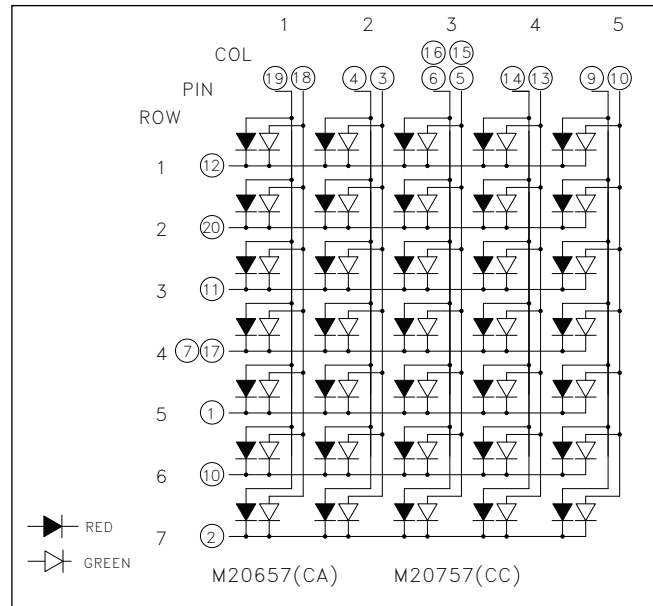
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● PACKAGE DIMENSIONS



● INTERNAL CIRCUIT DIAGRAM



● ELECTRICAL/OPTICAL CHARACTERISTICS

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M206570EG...	RED ORANGE	632/622	35	CA	1.2	3.0	Ip=80mA 1/16 Duty	2	20
	GREEN	568/570	30		1.2	3.0		2.1	20
M206570SU...	SR RED	660/643	20	CA	2.0	5.0		1.8	20
	GREEN	568/570	30		1.6	4.0		2.1	20

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