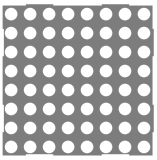
Ø 5.0 8X8 Dot Matrix Full Color LED Display

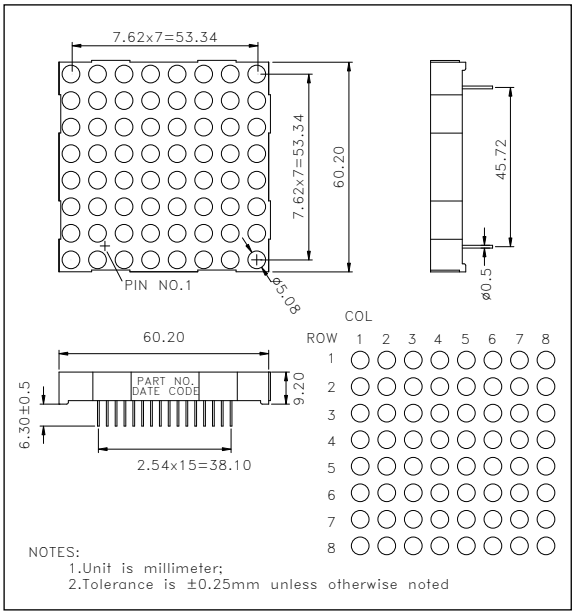


2.3" (58.34mm) digit height

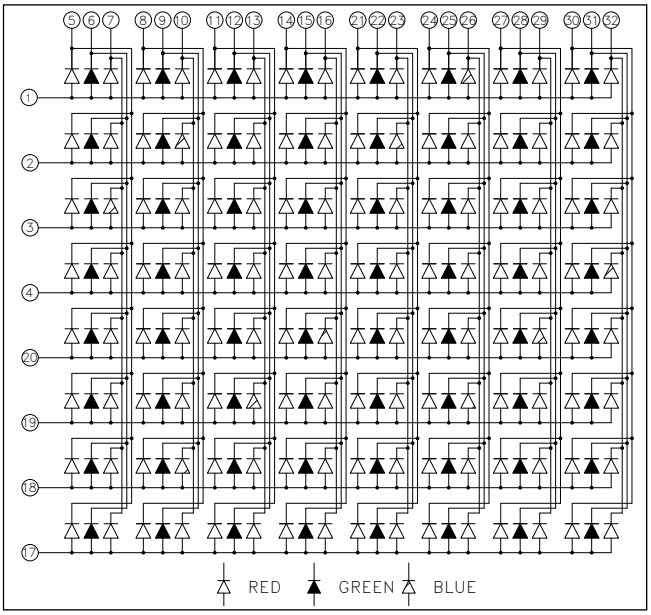
● ABSOLUTE MAXIMUM RATINGS : (Ta=25℃)

PARAMETER	RED	BLUE	GREEN	UNIT
Power Dissipation Per Seg	36	60	60	mW
Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width)	100	120	120	mA
Continuous Forward Current Per Seg Derating Linear From 25℃ Per Seg	13 0.13	15 0.17	15 0.17	mA mA/℃
Reverse Voltage Per Seg	5	5	5	v
Electrostatic Discharge(Note1)		150	150	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)
M23188FC3...	SUPER RED	632/624	15	CC	10	20.0	Ip=80mA 1/16 Duty	2	20
	SUPER GREEN	*/525	25		25	50.0		3.5	20
	BLUE	*/470	26		7.0	15.0		3.5	20

Note. 1: HBM, Human Body Model; Seller gives no other assurances regarding the ability of products to withstand ESD.
Caution in ESD: Static Electricity and surge damages the LED. It is recommend to us a wrist band or antielectrostatic glove when handing the LED. All devices equipment and machinery must be properly grounded.