

EPOXY MOLDED DOT MATRIX MODULE(Multi-Color) ■■■■■

MODEL	DIMENSION
<p>SMM 61616</p> <p>Dot Size : ϕ 6.0 No.of Dot: 16 X 16 Emitting Size : 128 X 128mm Color : Red,Green and Amber Current Dissipation : 2.3A(Max.)</p>	<p>Technical drawing of the SMM 61616 module. It includes three views: a top view of the dot matrix, a side view showing the module's thickness, and a front view of the PCB. The top view shows a 16x16 grid of dots with a total width of 128.0 mm and height of 128.0 mm. A label '256Dot-ϕ6.0' points to the grid. The side view shows a thickness of 24.6 mm and a height of 100.0 mm. The front view shows a PCB width of 100.0 mm with 'IN' and 'OUT' connectors and '4-M3' mounting holes.</p>
<p>SMM 63216</p> <p>Dot Size : ϕ 6.0 No.of Dot: 16 X 32 Emitting Size : 128 X 256mm Color : Red,Green and Amber Current Dissipation : 4.2A(Max.)</p>	<p>Technical drawing of the SMM 63216 module. It includes three views: a top view of the dot matrix, a side view showing the module's thickness, and a front view of the PCB. The top view shows a 16x32 grid of dots with a total width of 256.0 Max mm and height of 128.0 Max mm. A label '512Dot-ϕ6.0' points to the grid. The side view shows a thickness of 24.6 mm and a height of 100.0 mm. The front view shows a PCB width of 228.0 mm (split into two 114.0 mm sections) with '5V IN' and 'OUT' connectors and '6-M3' mounting holes.</p>

EPOXY MOLDED DOT MATRIX MODULE

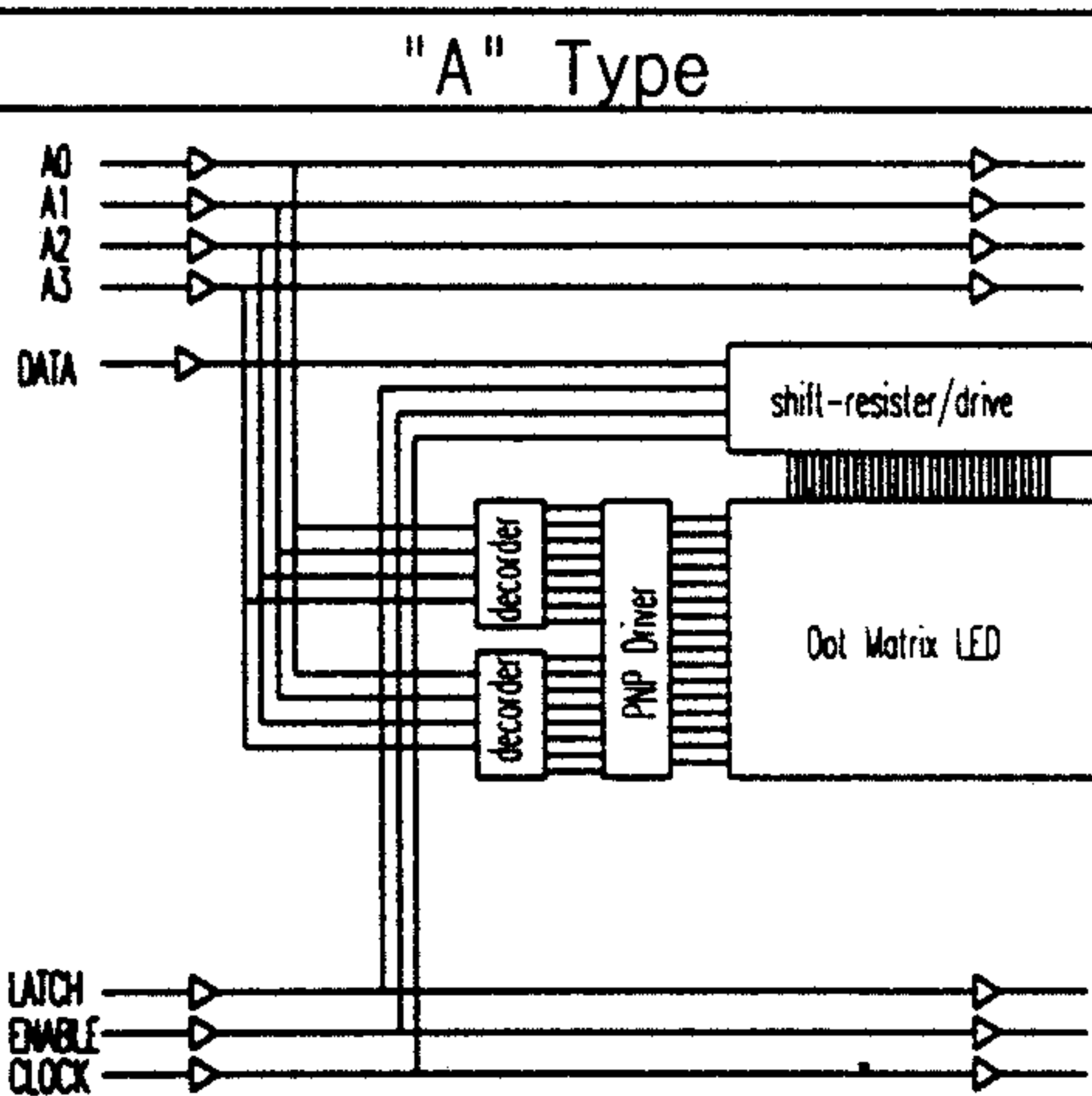
Electrical/Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Remark
Input Voltage	Vcc	4.85	5.00	5.15	V	
Clock Frequency	fCLK			7.0	MHz	
Driving Method		1/16 Duty Drive				Dynamic Drive
Luminous Intensity	Red	Iv	11		mcd	Per Dot
	Yellow Green		13			Per Dot
Peak Emission Wavelength	Red	λ_p	660		nm	
	Yellow Green		568			
Spectrum Radiation Bandwidth	Red	Δp	20		nm	
	Yellow Green		30			
Operating Temperature Range	Topr	-5 ~ +65			°C	
Storage Temperature Range	Tstg	-20 ~ +85			°C	

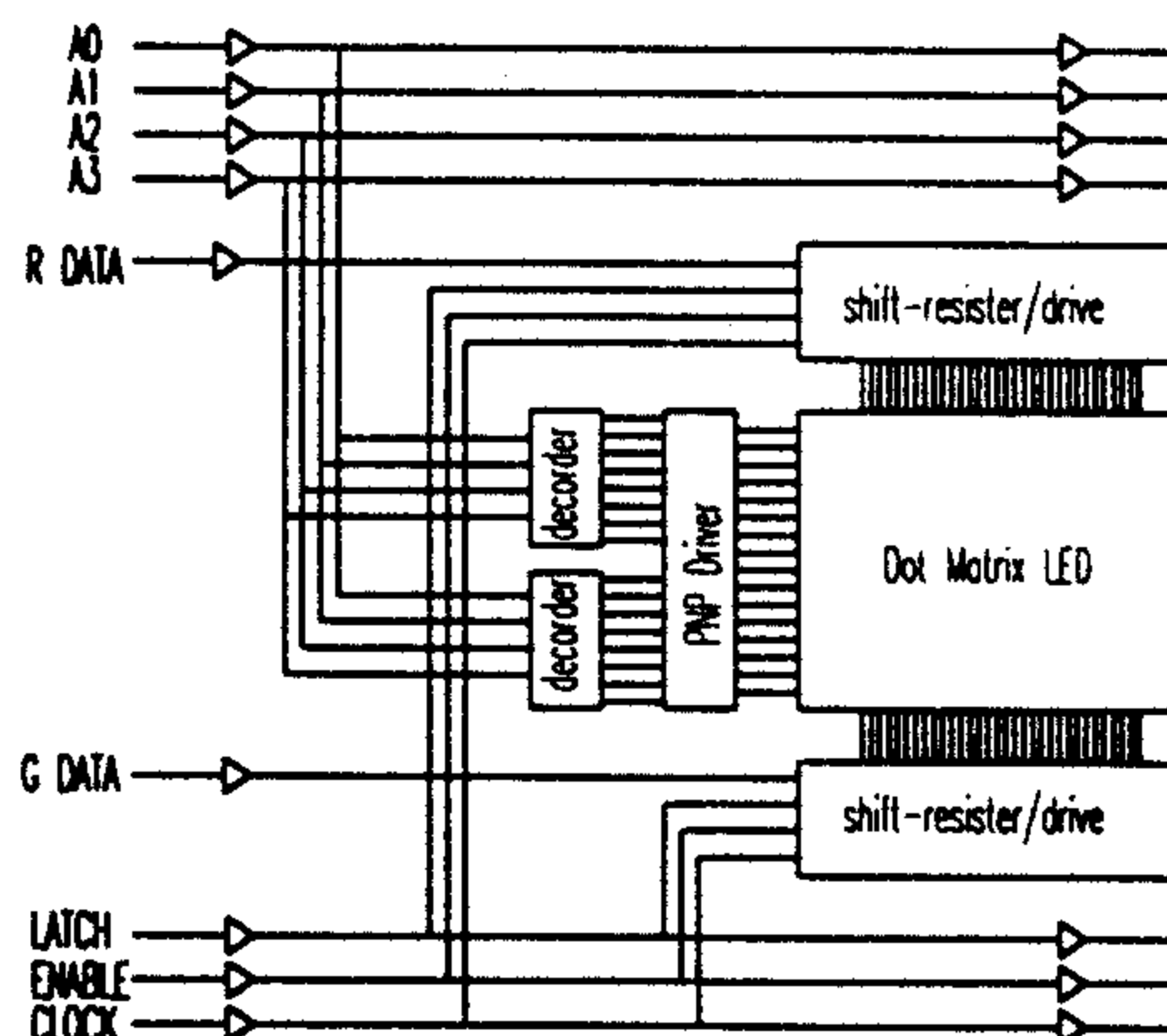
Pin Connection

Pin Arrangement	No	Name	Single Color	Multi-Color
	1	DATA	Data for RED, GREEN or AMBER signal	Data for RED signal
	2	DATA		Data for GREEN signal
	3	A0	Raw address control	Raw address control
	4	A1	It can be controlled 0000 to	It can be controlled 0000 to
	5	A2	1111 (in 16 x 16 module)	1111 (in 16 x 16 module)
	6	A3		
	7	ENABLE	Brightness control	Brightness control
	8	LATCH	Data latch control "H" Data input and display "L" Data input disable and display memorized data	Data latch control "H" Data input and display "L" Data input disable and display memorized data
	9	CLOCK	Clock signal for data input and display	Clock signal for data input and display
	10	GND	Ground	Ground

BLOCK DIAGRAM



Others



TIMING CHART

