

CUSTOMER : \_\_\_\_\_

NO. : MKM-

EDIT :

DATE :

## SPECIFICATION FOR APPROVAL

PRODUCT : 40×160mm  $\varnothing$ 2 16×64 Dot Matrix Module

MODEL NO. MDM-21674M

APPROVAL			REVISION
CHK	CHK	APPD.	
REMARKS			



**MIKWANG ELECTRONICS CO., LTD.**

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# MDM 21674M DOT MATRIX MODULE

MIKWANG ELECTRONICS CO., LTD.

MODEL	DIMENSION
<b>MDM 21674M</b> Dot Size : $\phi$ 2 No. of Dot : 16 X 64 Emitting Size : 40 X 160mm Color : Red, Green or Amber Current Dissipation : 1.5A(Max.)	

## 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	clk			7.0	MHz	
Driving Method		1/16 Duty Drive				Dynamic Drive
Luminous Intensity	Red	lv	11		mcd	Per Dot
	Yellow Green		13			Per Dot
Peak Emission Wavelength	Red	$\lambda p$	660		nm	
	Yellow Green		568			
Spectrum Radiation Bandwidth	Red	$\Delta p$	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 & Timing Chart

