

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

NO. : MKM-

EDIT :

DATE :

# SPECIFICATION FOR APPROVAL

PRODUCT : 0.7" Ø2 5×7 Dot Matrix LED Display

MODEL NO. MDM-2570/2577

APPROVAL			REVISION
CHK	CHK	APPD.	
REMARKS			



**MIKWANG ELECTRONICS CO., LTD.**

RM1401, 60-24, GASAN-DONG, GEUMCHEON-GU, SEOUL, KOREA

TEL : 82-2-2113-7700(Rep.) FAX : 82-2-2113-7707

URL : WWW.LED.CO.KR / E-MAIL : mkled7700@hanmail.net

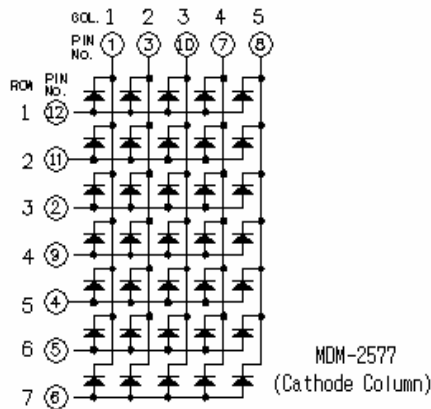
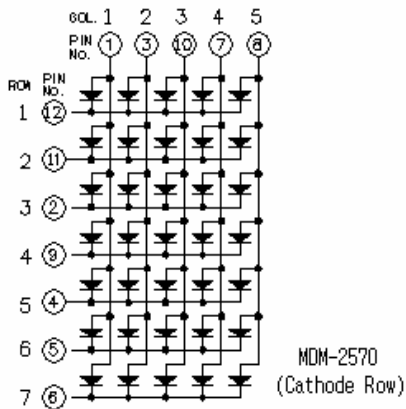
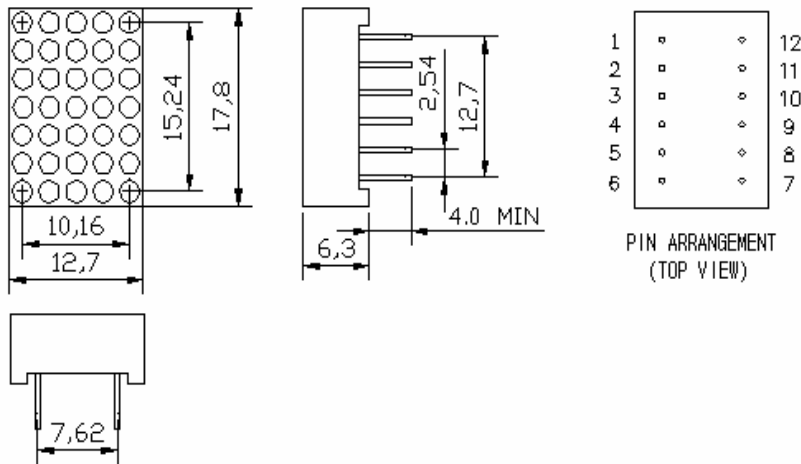
# MIKWANG ELECTRONICS MDM-2570/2577

0.7"  $\varnothing$  5 $\times$ 7 Dot Matrix LED Display

## GENERAL DESCRIPTION

The MDM-2570 and the MDM-2577 are 0.7-inch (approximately 17.5mm) height epoxy molded 2.0-pitch dot matrix LED displays. The standard units are available in red, green, orange and yellow-green emitting colors, with 5  $\times$  7 array and x-y select, and also available in 2 matrix orientation; cathode row and cathode column. The standard units are constructed with black face and milky white segment color.

## PACKAGE DIMENSION



# MIKWANG ELECTRONICS CO., LTD.

**Rm1401, World Meridian Venture Center, #60-24, Gasan-dong, Geumcheon-gu, Seoul, Korea**  
**TEL +82-2-2113-7700/ FAX +82-2-2113-7707 www.LED.co.kr**

# MIKWANG ELECTRONICS MDM-2570/2577

## ◆ Red MDM-UR2570/UR2577 (AlGaAs/GaAs)

### Absolute Maximum Ratings (Ta=25°C)

Power dissipation/total	1400	mW
Power dissipation/seg	40	mW
Forward current	20	mA
Peak forward current	60	mA
Reverse voltage	5	V
Operating temperature	-25~+85	°C
Storage temperature	-55~+100	°C

### Electrical/Optical Characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward voltage/seg	V <sub>f</sub>	I <sub>f</sub> =10mA	-	1.8	2.0	V
Reverse current/seg	I <sub>r</sub>	V <sub>r</sub> =5V	-	-	10	μA
Luminous intensity/digit	I <sub>v</sub>	I <sub>f</sub> =10mA	1300	2500	-	μcd
Peak wave length	λ <sub>p</sub>	I <sub>f</sub> =10mA	-	660	-	nm
Spectral line half width	Δλ	I <sub>f</sub> =10mA	-	20	-	nm

## ◆ Green MDM-UG2570/2577 (GaP)

### Absolute Maximum Ratings (Ta=25°C)

Power dissipation/total	1680	mW
Power dissipation/seg	48	mW
Forward current	20	mA
Peak forward current	60	mA
Reverse voltage	5	V
Operating temperature	-25~+85	°C
Storage temperature	-55~+100	°C

### Electrical/Optical Characteristics (Ta=25°C)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward voltage/seg	V <sub>f</sub>	I <sub>f</sub> =10mA	-	2.2	2.4	V
Reverse current/seg	I <sub>r</sub>	V <sub>r</sub> =5V	-	-	10	μA
Luminous intensity/digit	I <sub>v</sub>	I <sub>f</sub> =10mA	600	1200	-	μcd
Peak wave length	λ <sub>p</sub>	I <sub>f</sub> =10mA	-	570	-	nm
Spectral line half width	Δλ	I <sub>f</sub> =10mA	-	30	-	nm

- ◆ Pulse Width - 1ms
- Duty Cycle - 1/5