

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

NO. : MKM-

EDIT :

DATE :

## SPECIFICATION FOR APPROVAL

PRODUCT : 2.0"  $\varnothing$ 5 5 $\times$ 7 Dot Matrix LED Display

MODEL NO. MDM-5570/5577

APPROVAL			REVISION
CHK	CHK	APPD.	
REMARKS			



**MIKWANG ELECTRONICS CO., LTD.**

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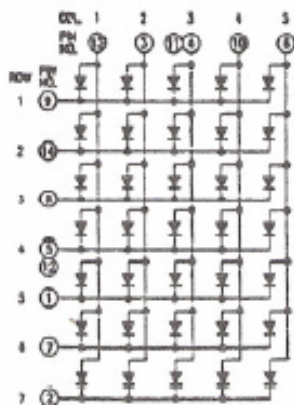
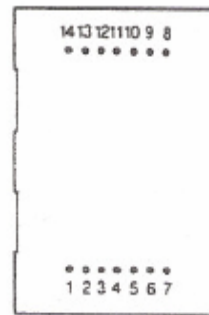
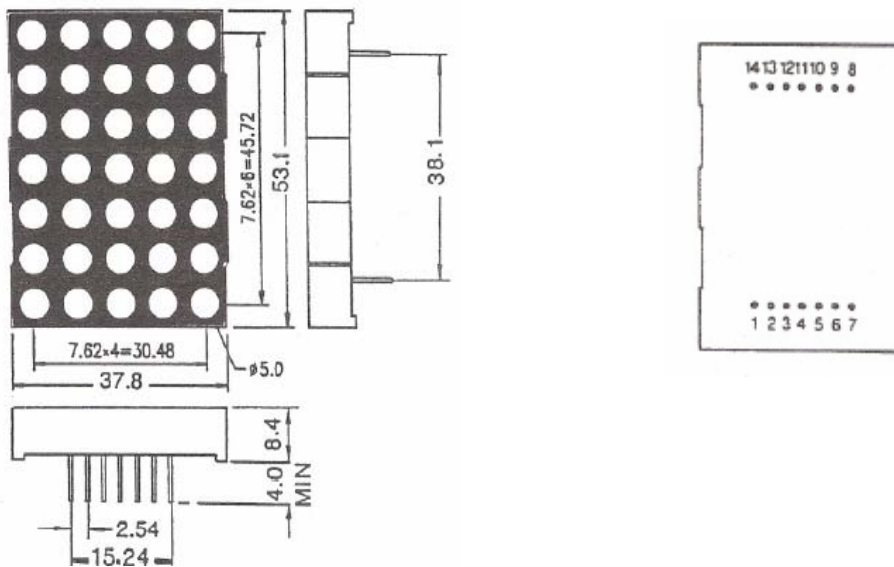
URL : WWW.LED.CO.KR / E-MAIL : mkled7700@hanmail.net

## 2.0-inch 5-pie 5×7 Dot Matrix LED DISPLAYS

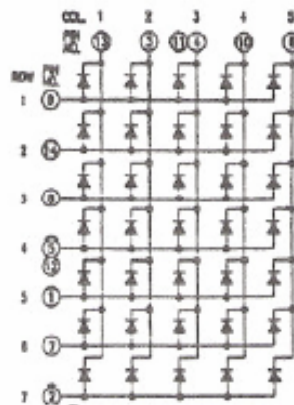
### GENERAL DESCRIPTION

The MDM-5570 and the MDM-5577 are an epoxy molded 2.0-inch(50.8mm) height, 5-pie diameter and 5×7 dot matrix LED displays. The standard units are available in red, orange and yellow-green emitting colors.

### PACKAGE DIMENSIONS



MDM-5570  
(Cathode Row)



MDM-5577  
(Cathode Column)

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# MIKWANG ELECTRONICS MDM-5570/5577

## ◆ Red MDM-UR5570/UR5577 (AlGaAs/GaAs)

### Absolute Maximum Ratings(Ta=25℃)

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	℃
Storage temperature	-55~+100	℃

### Electrical/Optical Characteristics(Ta=25℃)

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-UG5570/UR5577 (GaP)

### Absolute Maximum Ratings(Ta=25℃)

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	℃
Storage temperature	-55~+100	℃

### Electrical/Optical Characteristics(Ta=25℃)

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