

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

NO. : MKM-

EDIT :

DATE :

## SPECIFICATION FOR APPROVAL

PRODUCT : 1.4" 5×8 Ø3 Dot Matrix LED Display

MODEL NO. MDM-3580/3587

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

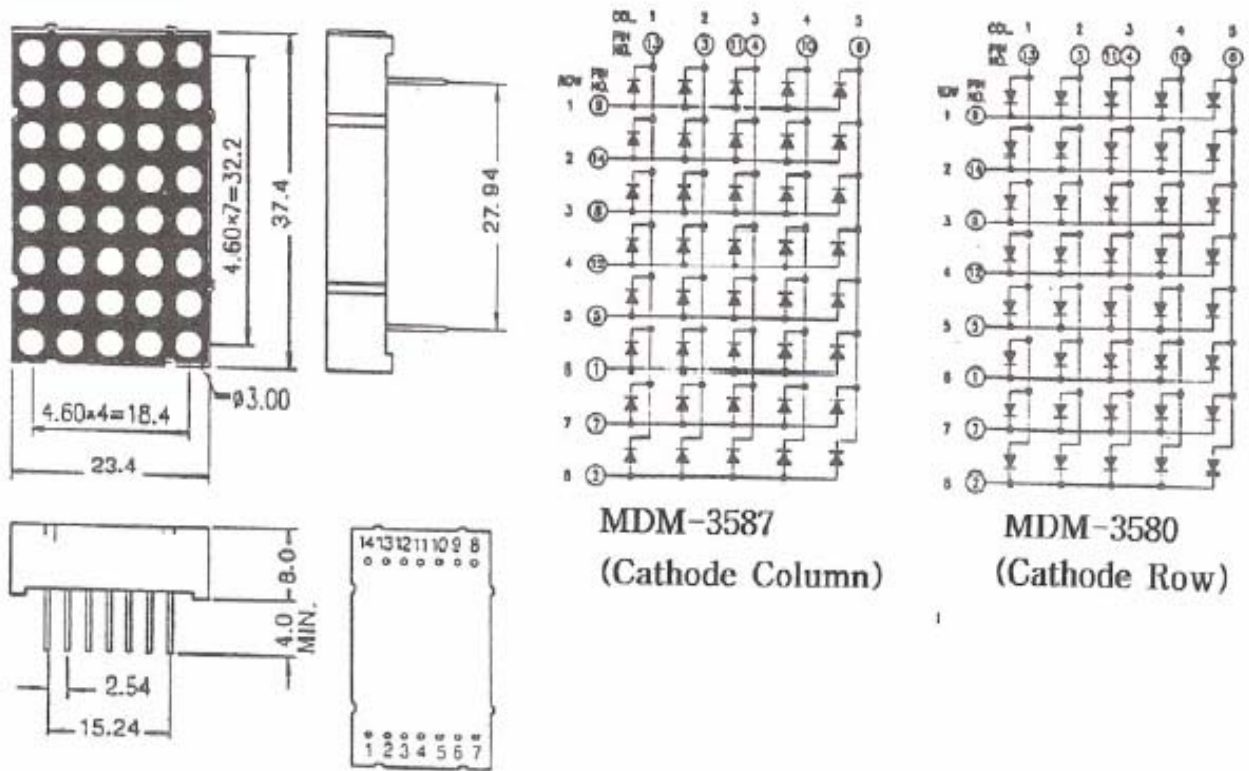
# MIKWANG ELECTRONICS MDM-3580/3587

1.4" 5×8 Ø3 Dot Matrix LED Display

## GENERAL DESCRIPTION

The MDM-3580 and the MDM-3587 are 1.4-inch (approximately 35.6mm) height epoxy resin molded 3.0-pie dot matrix LED DISPLAYS. The standard units are available in red, green, orange and yellow-green emitting colors with 5×8 array and x-y select, and also available in 2 matrix orientation; cathode row and cathode column.

## PACKAGE DIMENSIONS



**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-3580/3587

## ◆ Red MDM-UR3580/UR3587 (AlGaAs/GaAs)

### Absolute Maximum Ratings(Ta=25℃)

Power dissipation/total	1600	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-UG3580/UR3587 (GaP)

### Absolute Maximum Ratings(Ta=25℃)

Power dissipation/total	1920	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