

CUSTOMER : _____

NO. : MKM-

EDIT :

DATE :

SPECIFICATION FOR APPROVAL

PRODUCT : 2.28" Dual Color Ø5 8×8 Dot Matrix LED Display

MODEL NO. MDM-5882/5889

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

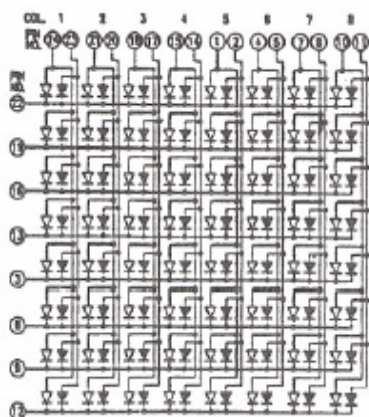
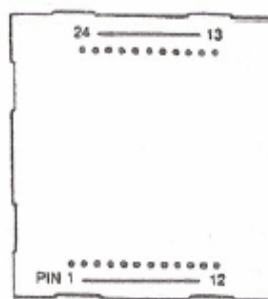
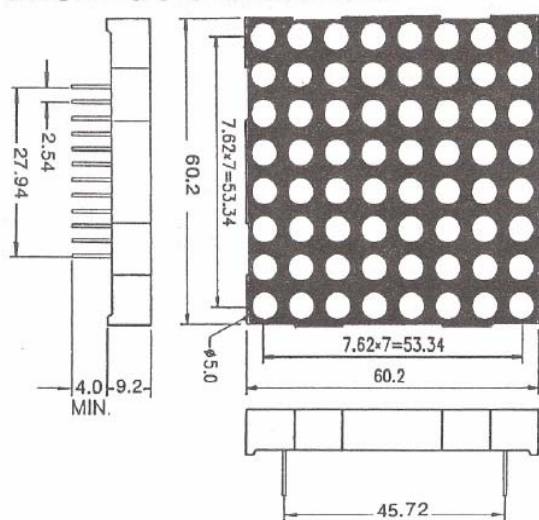
MIKWANG ELECTRONICS MDM-5882/5889

2.28" Dual Color Ø5 8×8 Dot Matrix LED Display

GENERAL DESCRIPTION

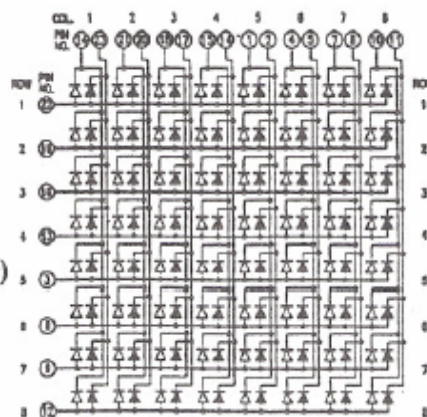
The MDM-5882 and the MDM-5889 are an epoxy molded 2.28-inch(58.0mm) height, 5-pie diameter and 8×8 dot matrix dual color LED displays. A red and green chips are contained in each dots and it could be displayed in red or green color separately and also appears in amber color when drive to red and green in the same time.

PACKAGE DIMENSIONS



MDM-5882
(Cathode Row)

GREEN
RED



MDM-5889
(Cathode Column)

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-5882/5889

◆ Red MDM-SR5882/SR5889 (AlGaAs/GaAs)

Absolute Maximum Ratings (Ta=25℃)

Power dissipation/total	2560	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 _f	If=10mA	—	1.8	2.0	V
Reverse current/seg	I _r	V _r =5V	—	—	10	μA
Luminous intensity/digit	I _v	If=10mA	500	1000	—	μcd
Peak wave length	λ _p	If=10mA	—	660	—	nm
Spectral line half width	Δλ	If=10mA	—	20	—	nm

◆ Green MDM-UG5882/UR5889 (GaP)

Absolute Maximum Ratings (Ta=25℃)

Power dissipation/total	3072	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 _f	If=10mA	—	2.2	2.4	V
Reverse current/seg	I _r	V _r =5V	—	—	10	μA
Luminous intensity/digit	I _v	If=10mA	600	1200	—	μcd
Peak wave length	λ _p	If=10mA	—	570	—	nm
Spectral line half width	Δλ	If=10mA	—	30	—	nm

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