

CUSTOMER :

NO : MM

EIT :

DATE :

SPECIFICATION FOR APPROVAL

PRODUCT : 0.7" Ø2 5x7 Dot Matrix LED Display

MODEL NO MM2570A/2577A

APPROVAL			REVISION
CHK	CHK	APPD	
REMARKS			



MIKWANG ELECTRONICS CO., LTD

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MIKWANG ELECTRONICS MDM2570A/2577A

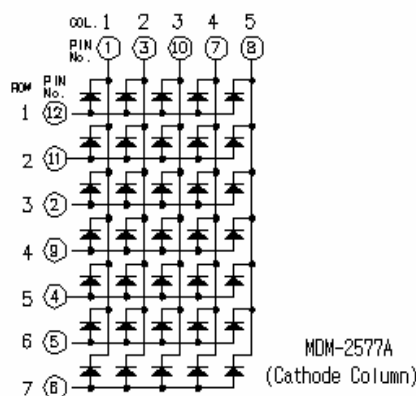
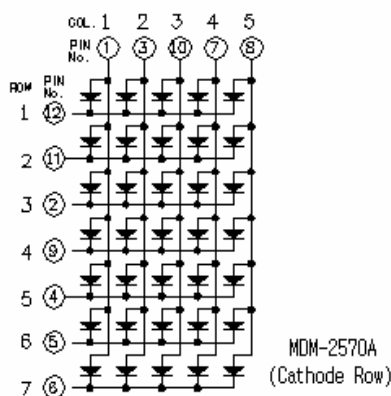
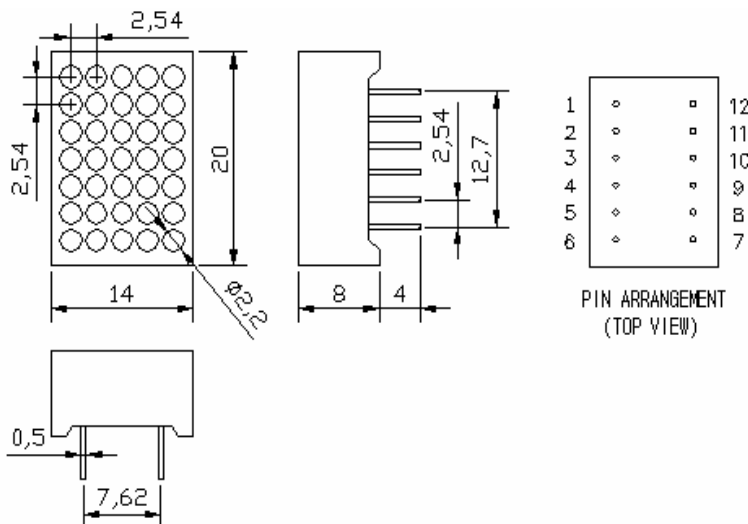
Q 7' Ø2 5×7 Dot Matrix LED Display

GENERAL DESCRIPTION

The MDM-2570A/2577A is 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 5×7 array and x-y select, and also available in 2 matrix orientation; cathode row and cathode column.

The standard unit is constructed with black face and milky white segment color.

PACKAGE DIMENSIONS



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MIKWANG ELECTRONICS MDM2570A/2577A

◆ Red MDM-UR2570A/UR2577A (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	Vf	If=10mA	-	1.8	2.0	V
Reverse current/seg	Ir	Vr=5V	-	-	10	μA
Luminous intensity/digit	Iv	If=10mA	1300	2500	-	μcd
Peak wave length	λp	If=10mA	-	660	-	nm
Spectral line half width	Δλ	If=10mA	-	20	-	nm

◆ Green MDM-UG2570A/2577A (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	Vf	If=10mA	-	2.2	2.4	V
Reverse current/seg	Ir	Vr=5V	-	-	10	μA
Luminous intensity/digit	Iv	If=10mA	600	1200	-	μcd
Peak wave length	λp	If=10mA	-	570	-	nm
Spectral line half width	Δλ	If=10mA	-	30	-	nm

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