CUSTOMER :

NO. : MKM-
EDIT :
DATE :

SPECIFICATION FOR APPROVAL

PRODUCT : 2.52"(64.0mm) 16×16 ∅3.2 Dot Matrix LED Display

MODEL NO. MDM-3167

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

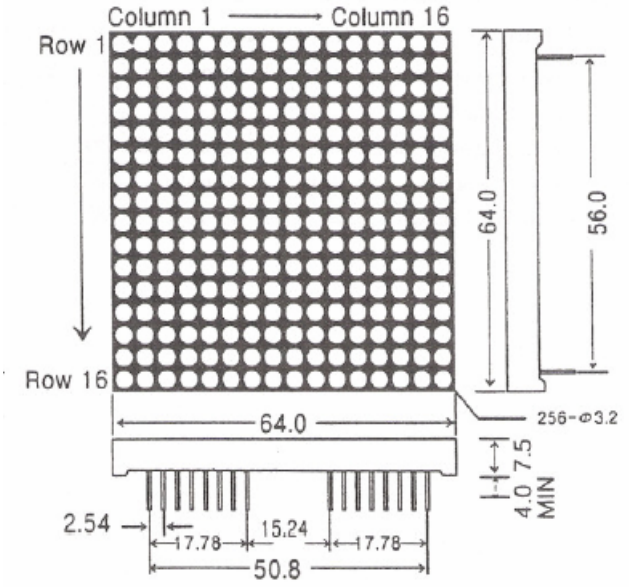
MIKWANG ELECTRONICS MDM-3167

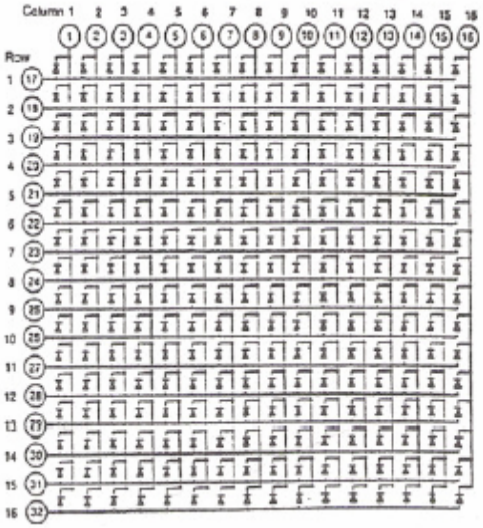
2.52"(64.0mm) 16×16 ∅3.2 Dot Matrix LED Display

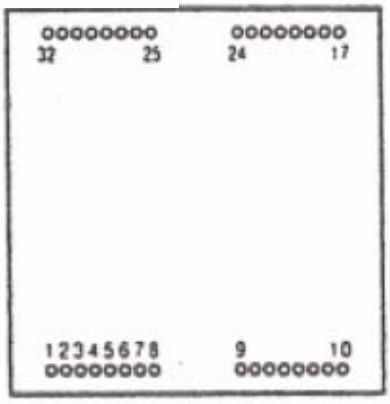
GENERAL DESCRIPTION

The MDM-3167(cathode column) series are a high performance epoxy resin molded 64.0 ×64.0mm 3.2-pie dot matrix LED displays. The standard units are available in red, orange and yellow-green emitting colors with 16×16 array x-y select, and constructed with black face and milky white segment color.

PACKAGE DIMENSIONS







MDM-3167
(Cathode Column)

MIKWANG ELECTRONICS CO., LTD.

Rm1401,World Merdian Venture Center, #60-24, Gasan-dong, Geumcheon-gu, Seoul, Korea
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MIKWANG ELECTRONICS MDM-3167

◆ Red MDM-UR3167(AlGaAs/GaAs)

Absolute Maximum Ratings(Ta=25℃)

Power dissipation/total	10240	mW
Power dissipation/seg	40	mW
Forward current	20	mA
Peak forward current	60	mA
Reverse voltage	5	V
Operating temperature	-25~+85	℃
Stroage temperature	-55~+100	℃

Electrical/Optical Characteristics(Ta=25℃)

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	△λ	If=10mA	-	20	-	nm

◆ Green MDM-UG3167(GaP)

Absolute Maximum Ratings(Ta=25℃)

Power dissipation/total	12288	mW
Power dissipation/seg	48	mW
Forward current	20	mA
Peak forward current	60	mA
Reverse voltage	5	V
Operating temperature	-25~+85	℃
Stroage temperature	-55~+100	℃

Electrical/Optical Characteristics(Ta=25℃)

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	△λ	If=10mA	-	30	-	nm

◆ Pulse Width - 1ms
Duty Cycle - 1/5