

CUSTOMER : _____

NO. : MKM-

EDIT :

DATE :

SPECIFICATION FOR APPROVAL

PRODUCT : 3.0" Single-Digit 7-Segment Numeric Display

MODEL NO. MD-3010/3017

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

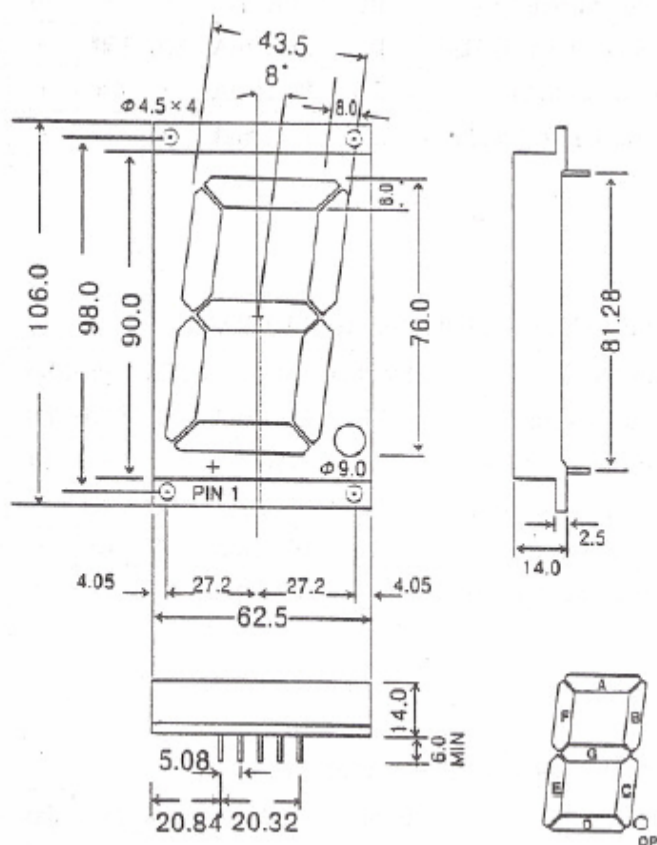
URL : WWW.LED.CO.KR / E-MAIL : mkled7700@hanmail.net

MI KWANG ELECTRONICS

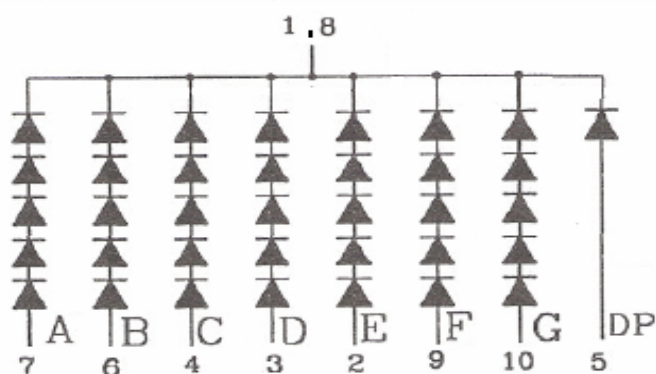
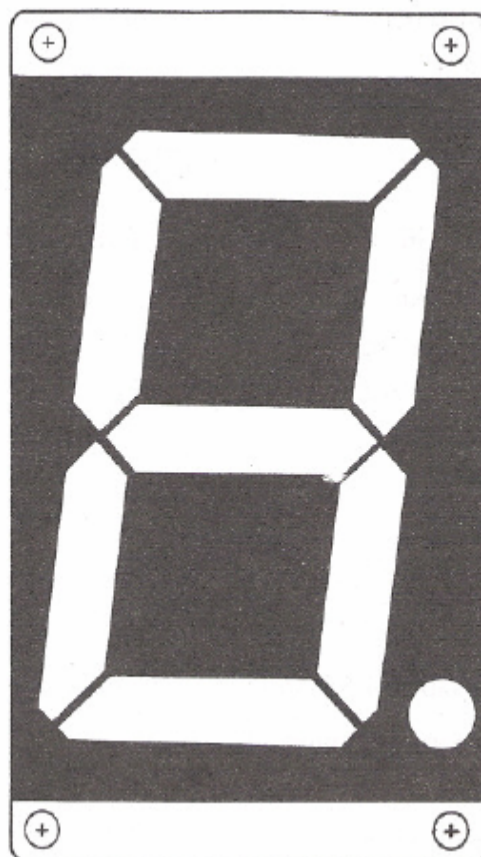
MD-3010/3017

3.0 Inch Single-Digit 7-Segment Numeric Display

PACKAGE DIMENSIONS



ACTUAL SIZE



Cathode Common(MD-3010)

* Anode Common(MD-3010)

All diodes are reversed polarity

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MIKWANG ELECTRONICS CO., LTD.

◆ Red MD-UR3010/UR3017 (AlGaAs/GaAs)

Absolute Maximum Ratings (Ta=25℃)

Power dissipation/total	1440	mW
Power dissipation/seg	200	mW
Forward current	20	mA
Peak forward current	60	mA
Reverse voltage	15	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	—	9.0	10	V
Reverse current/seg	I _r	V _r =25V	—	—	10	μA
Luminous intensity/digit	I _v	If=10mA	800	2500	—	μcd
Peak wave length	λ _p	If=10mA	—	660	—	nm
Spectral line half width	Δλ	If=10mA	—	20	—	nm

◆ Green MD-UG3010/UG3017 (GaP)

Absolute Maximum Ratings (Ta=25℃)

Power dissipation/total	1720	mW
Power dissipation/seg	240	mW
Forward current	20	mA
Peak forward current	60	mA
Reverse voltage	15	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	—	11	12	V
Reverse current/seg	I _r	V _r =25V	—	—	10	μA
Luminous intensity/digit	I _v	If=10mA	500	1000	—	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