

CUSTOMER : _____

NO. : MKM-

EDIT :

DATE :

SPECIFICATION FOR APPROVAL

PRODUCT : 6.0" Single-Digit 7-Segment Numeric Display

MODEL NO. MD-6010/6017

APPROVAL			REVISION
CHK	CHK	APPD.	
REMARKS			



MIKWANG ELECTRONICS CO., LTD.

RM1401, 60-24, GASAN-DONG, GEUMCHEON-GU, SEOUL, KOREA

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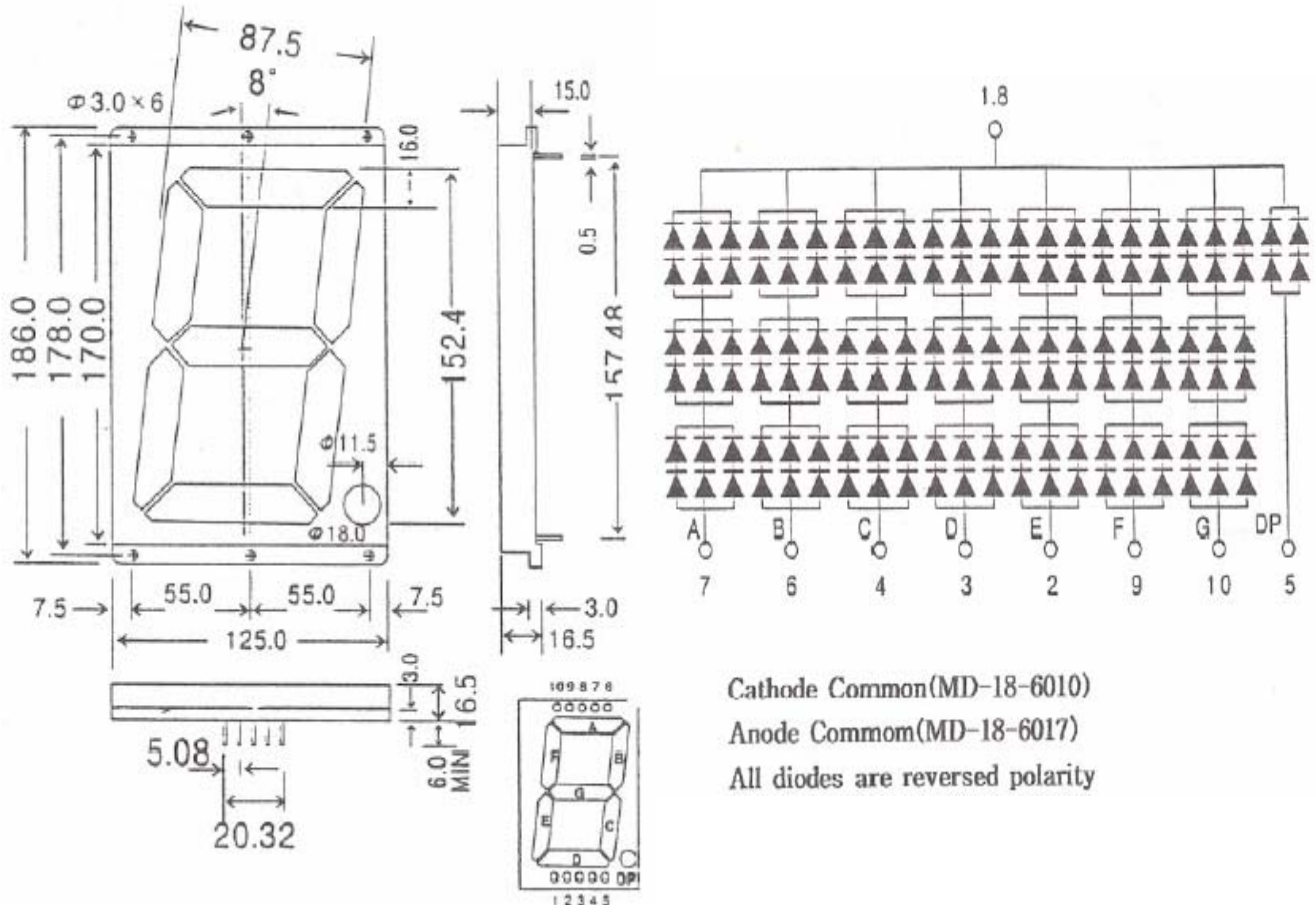
6.0 Inch Single-Digit 7-Segment Numeric Display

GENERAL DESCRIPTION

The MD-6010 and MD-6017 series are high performance epoxy resin molded 1-digit 7-segment LED displays for an application which space is at a premium.

The character height is approximately 6.0-inch(152.4mm) and available in red, green, orange and yellow-green emitting colors. The standard unit is constructed with black face and milky white segment color.

PACKAGE DIMENSIONS



MIKWANG ELECTRONICS CO., LTD.

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◆ Red MD-UR6010/UR6017 (AlGaAs/GaAs)

Absolute Maximum Ratings (Ta=25°C)

Power dissipation/total	5080	mW
Power dissipation/seg	720	mW
Forward current	60	mA
Peak forward current	180	mA
Reverse voltage	30	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	V _f	I _f =10mA	-	10.8	12	V
Reverse current/seg	I _r	V _r =30V	-	-	30	μA
Luminous intensity/digit	I _v	I _f =10mA	1300	2500	-	μcd
Peak wave length	λ _p	I _f =10mA	-	660	-	nm
Spectral line half width	Δλ	I _f =10mA	-	20	-	nm

◆ Green MD-UG6010/UG6017 (GaP)

Absolute Maximum Ratings (Ta=25°C)

Power dissipation/total	6088	mW
Power dissipation/seg	864	mW
Forward current	60	mA
Peak forward current	180	mA
Reverse voltage	30	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	V _f	I _f =10mA	-	13.2	14.4	V
Reverse current/seg	I _r	V _r =30V	-	-	30	μA
Luminous intensity/digit	I _v	I _f =10mA	500	1000	-	μcd
Peak wave length	λ _p	I _f =10mA	-	570	-	nm
Spectral line half width	Δλ	I _f =10mA	-	30	-	nm

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