

CUSTOMER : _____

NO. : MKM-

EDIT :

DATE :

SPECIFICATION FOR APPROVAL

PRODUCT : 0.36" Triple-Digit 7-Segment Numeric Display

MODEL NO. MD-3630D/3637D

APPROVAL			REVISION
CHK	CHK	APPD.	
REMARKS			



MIKWANG ELECTRONICS CO., LTD.

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MI KWANG ELECTRONICS MD-3630D/3637D

◆ Super Red MD-SR3630D/3637D (AlGaAs/GaAs)

Absolute Maximum Ratings (Ta=25°C)

Power dissipation/total	960	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	700	1500	-	μcd
Peak wave length	λp	If=10mA	-	660	-	nm
Spectral line half width	Δλ	If=10mA	-	20	-	nm

◆ Green MD-G3630D/3637D (GaP)

Absolute Maximum Ratings (Ta=25°C)

Power dissipation/total	1152	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	350	900	-	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