

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			



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◆ Red MD-UR3010/UR3017(AIGaAs/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	Vf	If=10mA	-	9.0	10	V
Reverse current/seg	Ir	Vr=25V	-	-	10	μA
Luminous intensity/digit	Iv	If=10mA	800	2500	-	μcd
Peak wave length	λp	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	Vf	If=10mA	-	11	12	V
Reverse current/seg	Ir	Vr=25V	-	-	10	μA
Luminous intensity/digit	Iv	If=10mA	500	1000	-	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