

DATE : 2000. 07. 11.

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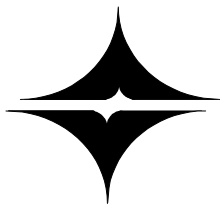
# SPECIFICATION

**PRODUCT : LED DISPLAY**

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**MODEL : ODS - N3056KDM**

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OPTO ELECTRONICS CO., LTD. (株) 元 光 電 子	T I T L E L E D   D I S P L A Y ODS - N3056KDM	문 서 번 호	OQSS-SD-219
		개 정 번 호	IR
		개 정 일 자	2000년 07월 11일
		P A G E	1 OF 1

1. GENERAL DESCRIPTION

The ODS-N3056 series of single digit consisted seven segments are designed to be used even in bright location.

The character height is 0.56 inch (approximately 14.20mm) and a choice of four emitting colors (RED, GREEN, ORANGE, YELLOW) and two configurations (common ANODE, common CATHODE) are possible

2. FEATURES

- High brightness with high contrast
- Wide angle viewing
- Low power consumption
- Solid state reliability
- Long operation life time

3. ABSOLUTE MAXIMUM RATINGS. (Ta=25℃)

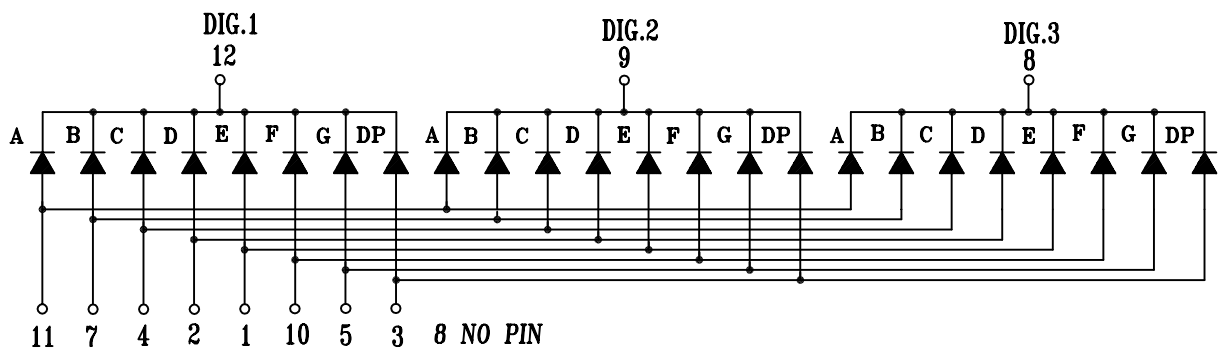
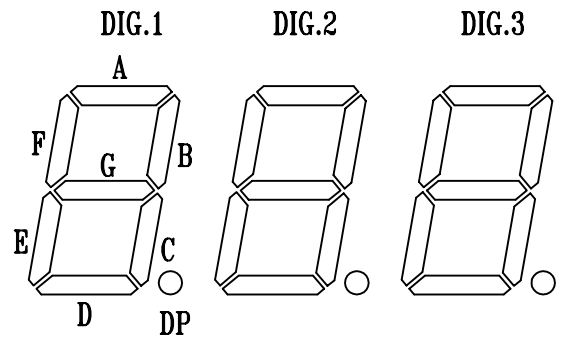
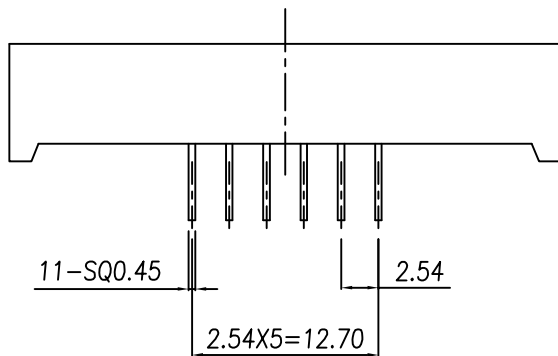
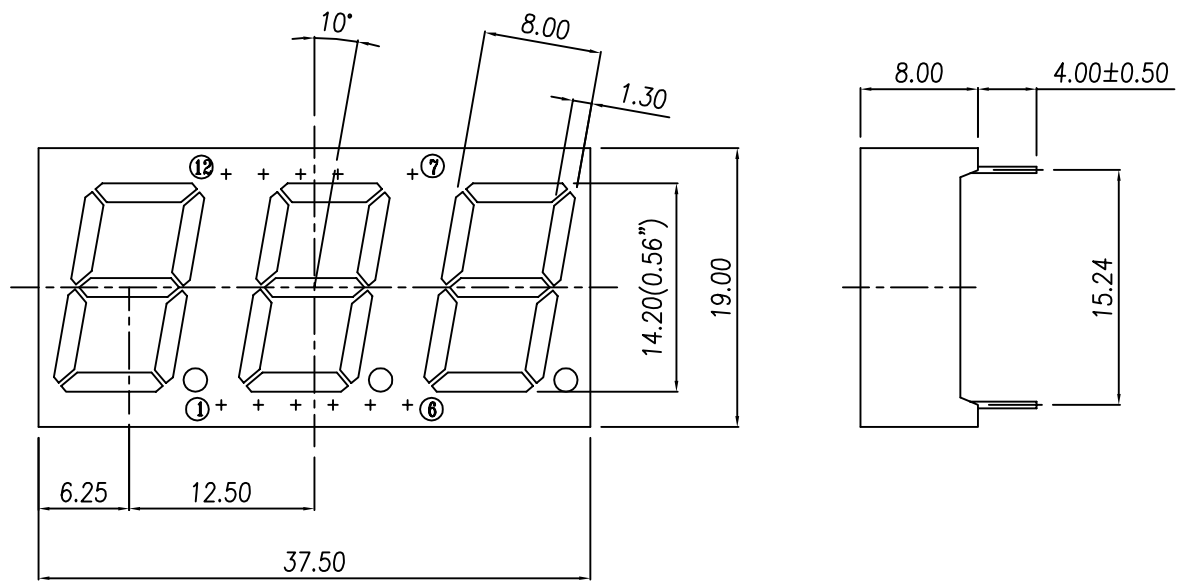
Parameter	Symbol	Rating	Unit
Power Dissipation	P <sub>D</sub>	1,296	mW
Power Dissipation	P <sub>D</sub> /a chip	54	mW
Forward Current	I <sub>F</sub>	20	mA
Peak Forward Current *1	I <sub>FP</sub>	50	mA
Reverse Voltage	V <sub>R</sub> /a chip	6	V
Operating Temperature	T <sub>opr</sub>	-25 ~ +70	℃
Storage Temperature	T <sub>stg</sub>	-30 ~ +80	℃
Soldering Temperature	T <sub>sol</sub>	260℃ within 5 seconds	

4. ELECTRO - OPTICAL CHARACTERISTICS PER A CHIP (Ta=25℃)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	-	2.10	2.70	V
Luminous Intensity *2	I <sub>V</sub>	I <sub>F</sub> =20mA	100	180	-	mcd
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> =20mA	-	605	-	nm
Spectrum Radiation Bandwidth	Δλ	I <sub>F</sub> =20mA	-	40	-	nm
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =6V	-		100	μA

NOTE

- \*1. Duty Ratio= ¼
- \*2. Assembled Into T¾ Plastic Package



<COMMON CATHODE>

DATE	2000. 07. 11.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS AND TOLERANCES ARE AS FOLLOWS:	TITLE	DRAWN	CHECKED	APPROVED
UNIT	mm	0 - 6 ±0.1	ODS-N3056KDM			
SCALE	N/S	6 - 15 ±0.15				
MATERIAL		15 - 60 ±0.2				
		60 - 200 ±0.3				
		200 - ∞ ±0.5				
ANGULAR TOLERANCE ±0.5°						
OPTO ELECTRONICS CO.,LTD			D.W.G NO.	OSD01 - 219		