

# D6464SLMH-RED LED DOT MATRIX

MODEL : SSD-D6464SLMH-RED

Seoul Semiconductor Co., Ltd.

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# 1. 특성 (FEATURES)

COLOR	RED
DOT SIZE (mm)	3.2
DOT PITCH (mm)	4.0
NUMBER OF DOT	256
DIMENSION (mm)	64.0mm * 64.0mm
WEIGHT (g)	-

# 2. 전기적 특성(ELECTRICAL SPECIFICATION)

## 1) 최대정격(ABSOLUTE MAXIMUM RATINGS)

(Ta=25°C)

Parameter	Symbol	Red	Unit
Power Dissipation	I <sub>D</sub>	4.09	A
Foward current	I <sub>F</sub>	20	mA
Peak foward current *	I <sub>FP</sub>	80	mA
Reverse voltage	V <sub>R</sub>	5	V
Operating temperature	Topr	-10 ~ +60	°C
Storage temperature	Tstg	-20 ~ +70	°C

\* DUTY RATE : 1/10, PULSE WIDTH : ≤ 0.1ms

# 3. 광학적 특성(OPTICAL SPECIFICATION)

General Allowance : ±15%

(Ta=25°C)

ITEM		SYMBOL	MIN.	TYP.	MAX.	UNIT
LUMINOUS INTENSITY**	RED	I <sub>v</sub>	29	32	36	mcd
PEAK EMISSION WAVELENGTH	RED	λ <sub>p</sub>	-	655	-	nm
DOMINATED WAVELENGTH	RED	λ <sub>D</sub>	-	640	-	nm
SPECTRUM WIDTH OF HALF VALUE	RED	Δλ	-	20	-	nm
VIEWING ANGLE	HORIZONTAL	20 1/2	-	45	-	deg
	VERTICAL		-	45	-	

\*\* Condition : I<sub>F</sub> = 20mA



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제품명

발행일

REV

SSD-D6464SLM-R

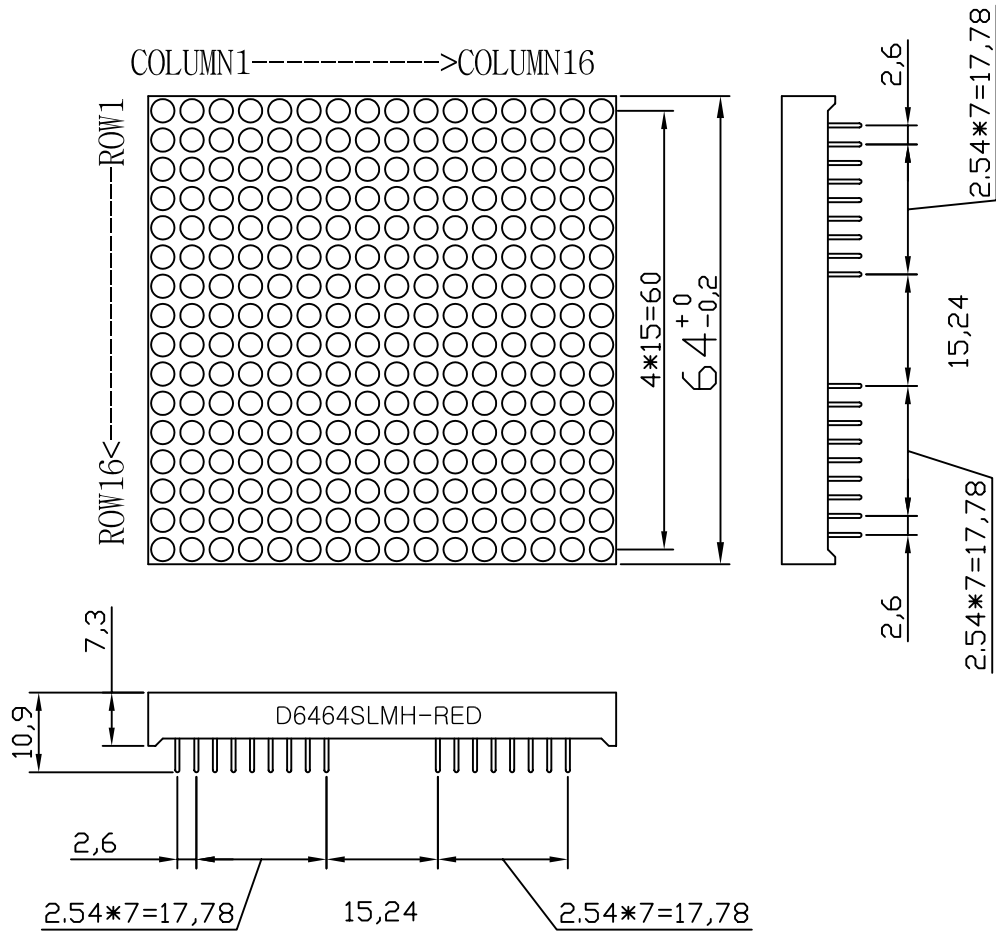
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SHEETS

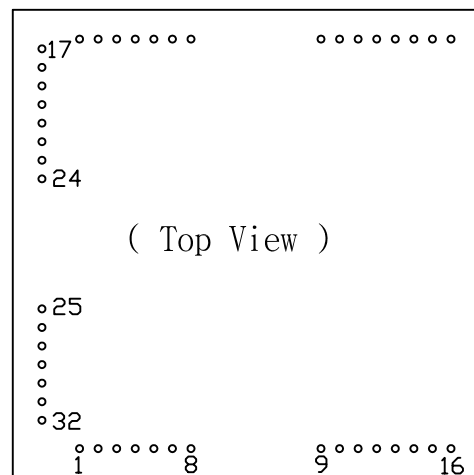
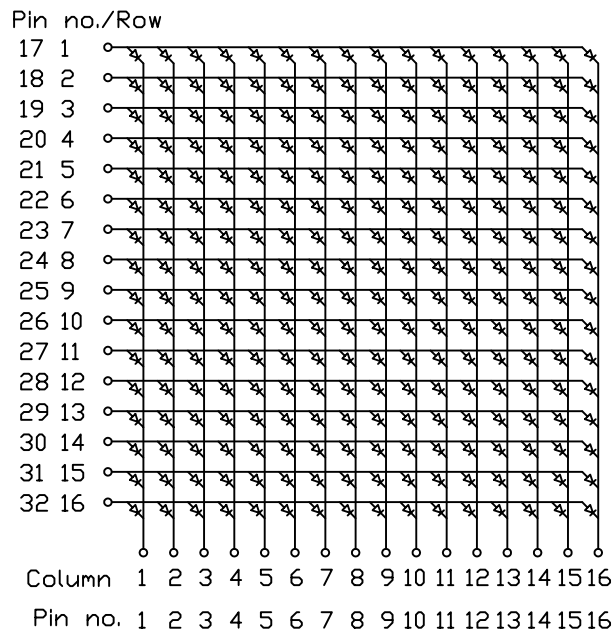
1/5

# 4. 외관 (Demension)



Unit (mm)

# 5. 회로도 (Circuits)



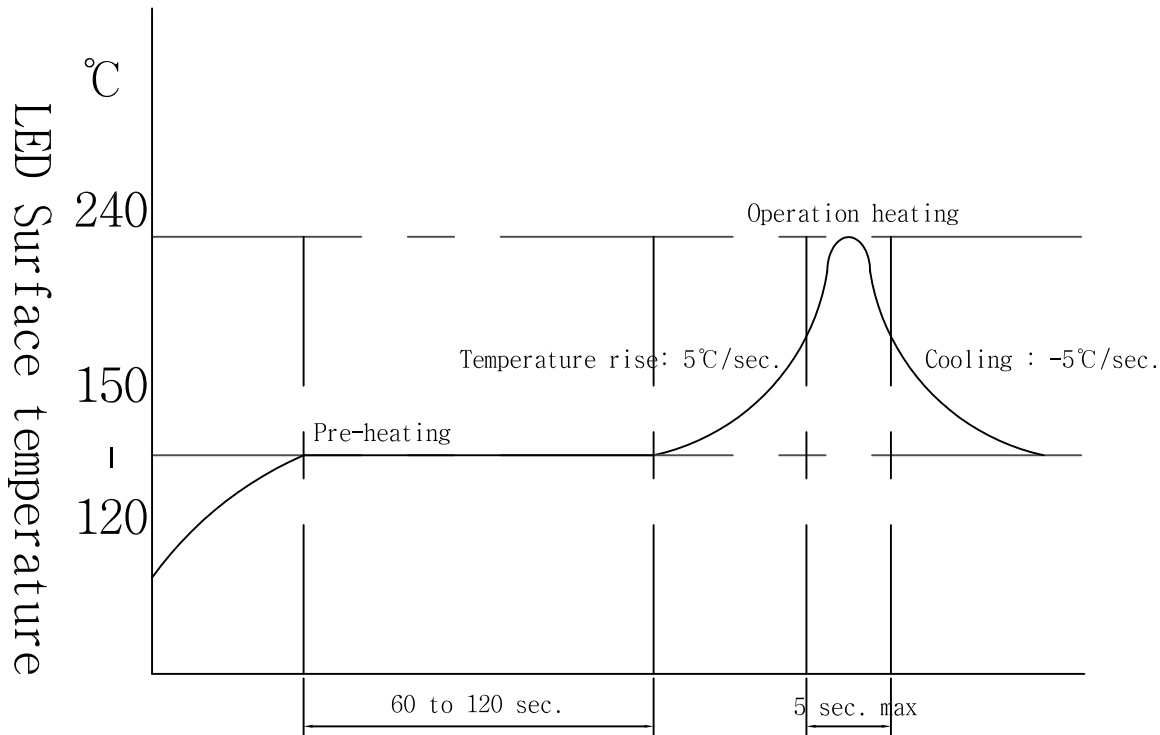
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제품명	발행일	REV
		0
SSD-D6464SLM-R	05.01.28	SHEETS
		2/5

## 6. 솔더링 조건(soldering condition profile)

### 1) Overflow Soldering Conditions / Profile

preliminary heating to be at 150°C max. for 2minutes max.  
 soldering heat to be at 240°C max. for 5seconds max.



### 2) Hand Soldering conditions

Not more than 3 seconds @ MAX280°C, under Soldering iron.



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제품명

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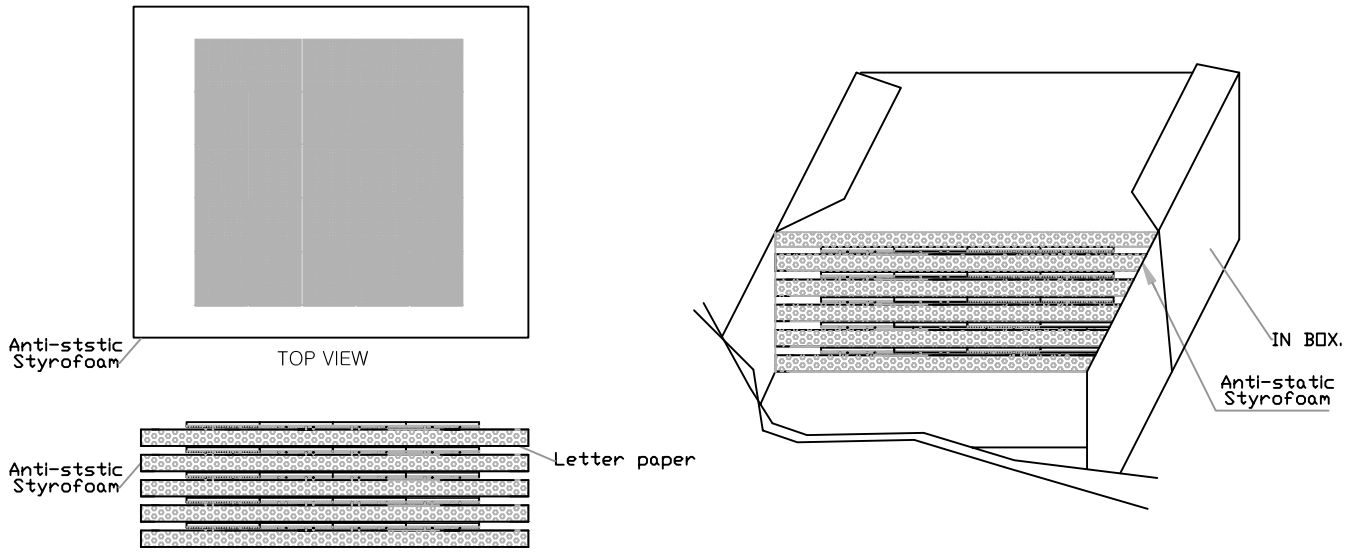
REV

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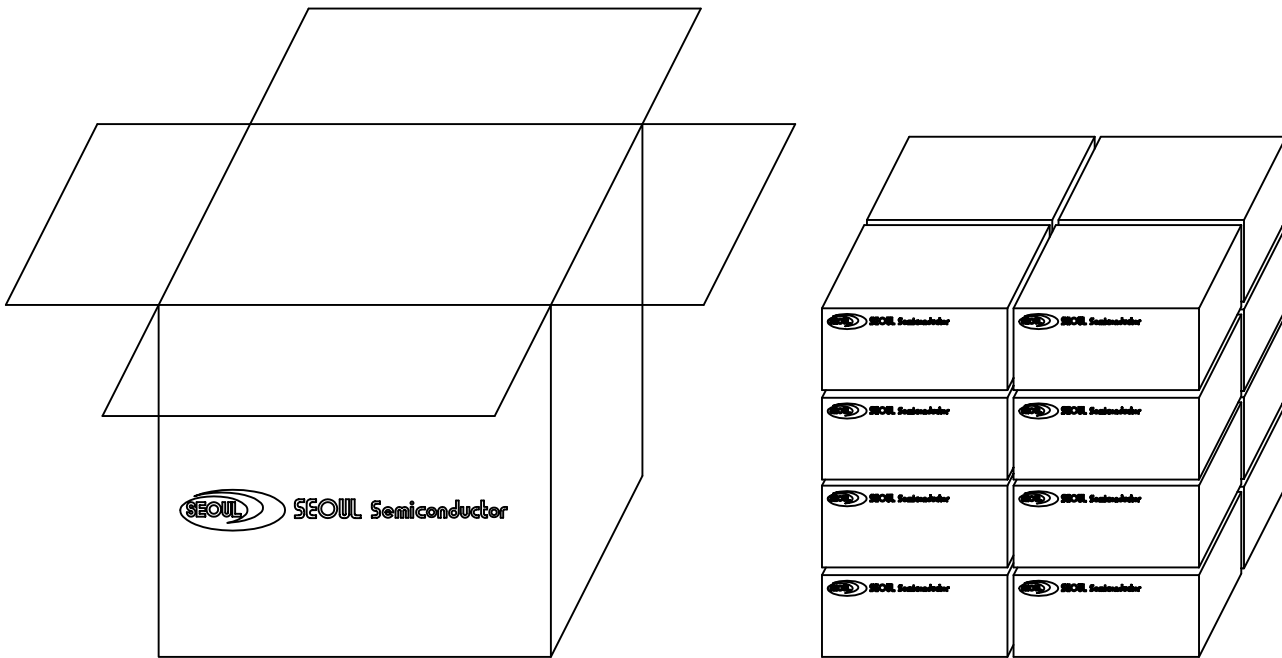
SHEETS

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# 7. PACKING



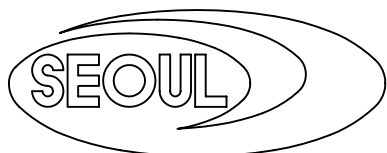
\*note  
1.1BOX QUANTITY 45EA



\*note  
1.1BIG BOX QUANTITY  
45EA\*16=720EA

DOT MATRIX LED 발열에 의한 MODULE의 손상과 오동작이 발생될 수  
COOLING FAN을 설치하시기 바랍니다.

- Install a cooling fan for cooling out the LED module in order  
or operateing failure caused by the heat when many display p  
one board or the module is operated under ill-ventilated cond
- DOT MATRIX LED에 충격 및 진동을 가할 경우 DOT불량, 단선등의  
원인이 될 수 있으므로 삼가시기 바랍니다.
- DOT MATRIX LED could be damaged or broken by a shock or coll
- DOT MATRIX LED에 찍힘이나 긁힘이 발생하지 않도록 주의하시기
- Be careful not to scratch or impact the DOT MATRIX LED.
- DOT MATRIX LED를 취급, 보관할 경우 정전기 방지 포장을 하여 주
- Treat or keep under the condtion of static electricity-proof
- Twisted cable 또는 Shielded wire는 고주파 잡음으로 부터 modul  
하여 안정된 동작을 할 수 있으므로 필히 사용 하십시오.
- It is recommended to use twisted cable or shielded wire to pr  
from high-freqiency noise and to secure stable operation.
- 1번 PIN을 확인하시고, 사용하십시오.
- Please pay attention it's pin numbur before you work.



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제품

SSD-D6