

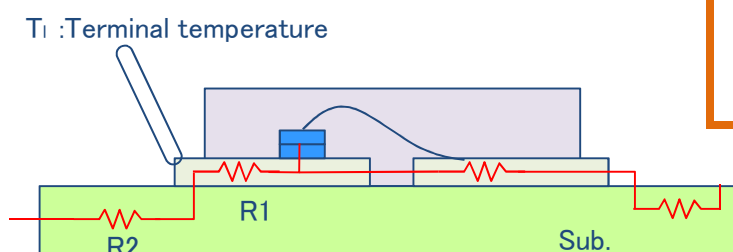
Product	LED
Package	SMD
Series	SMLMN2BC/ECT

2 kinds of R_{th} exist.

- Junction to case (terminal) : $R_{th(j-C)}$
- Junction to ambient : $R_{th(j-a)}$

Heat-dissipation of surface mount device is thru PCB. Therefore, value of $R_{th(j-C)}$ is measured TI and calculated in Rohm PCB condition.

Terminal temperature is measured on LED mounted side.



$$\begin{aligned}
 R1 &= R_{th(j-C)} \\
 R1 + R2 &= R_{th(j-C)} + R_{th(c-a)} \\
 &= R_{th(j-a)}
 \end{aligned}$$

Thermal Resistance (Junction/Solder Point)

熱抵抗 (ジャンクション-実装部) ※1

$R_{th(j-C)}$: 400 °C/W

Thermal Resistance (Junction/Ambient)

熱抵抗 (ジャンクション-雰囲気温度) ※1

$R_{th(j-a)}$: 550 °C/W

Junction Temperature

ジャンクション温度

T_{jMax} : 110 °C

※1:【評価基板】 Evaluation board

- 基板種類 Circuit board : ガラエポ基板 Glass epoxy circuit board
- 基板サイズ Circuit board Dimensions : 30 x 10 x 1.6mm
- ランド寸法 (銅箔) Pad size (Cu) : 17x7 mm (Cathod)

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