Thermal Resistance

Product	LED
Package	SMD
Series	SML813WBC8W

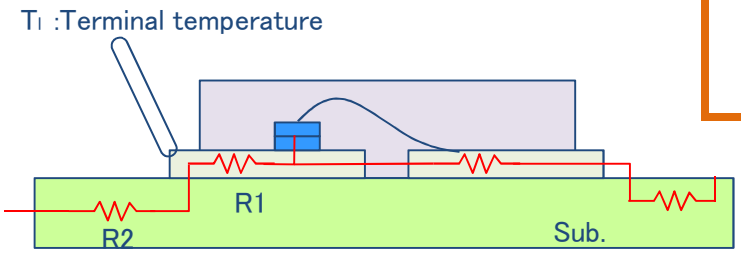
2 kinds of R_{th} exist.

・Junction to case(terminal) :Rth(j-C)

・Junction to ambient :Rth(j-a)

Heat-dissipation of surface mount device is thru PCB. Therefore, value of Rth(j-C) is measured Tl and calculated in Rohm PCB condition.

Terminal temperature is measured on LED mounted side.



R1	=	Rth(j-C)
R1+ R2	=	Rth(j-C) + Rth(c-a)
	=	Rth(j-a)

Thermal Resistance(Junction/Solder Point)
熱抵抗(ジャンクション-実装部)※1

Rth(j-C) : 500 **℃/W**

Thermal Resistance(Junction/Ambient)
熱抵抗(ジャンクション-雰囲気温度)※1

Rth(j-a) : 730 **℃/W**

Junction Temperature
ジャンクション温度

TjMax : 100 **℃**

※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 0.8mmt
■ランド寸法(銅箔) Pad size(Cu) : 1.5mm^2 (Cathod)

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