

Product	Transistor	Type	2SD2673
Package	TSMT3	JEDEC Code	SOT-346T

1. Thermal Resistance / 熱抵抗データ



測定項目 ITEM	記号 SYMBOL	測定値 VALUE	単位 UNIT
ジャンクション - 雰囲気間熱抵抗 Thermal resistance between junction and ambient temperature	$R_{th(j-a)}$	250.0	°C/W
ジャンクション - ケース間熱抵抗 Thermal resistance between junction and case	$R_{th(j-c)}$	49.9	°C/W

$R_{th(j-c)}$ は、周囲温度25°Cにおいて、ケース標印面の最高温度を放射温度計にて測定しました。

この時のケース温度を T_{case} とし、また、ジャンクション温度を T_j として、以下の式より算出しました。

We calculated $R_{th(j-c)}$ using the below formula.

Case temperature(T_{case}) was measured at the point of maximum temperature of the top side of the case(the marking side)under the condition of

$T_a=25^\circ\text{C}$ by radiation thermometer.

$$R_{th(j-c)} = \frac{T_j - T_{case}}{P_c}$$

P_c : 印加電力
Applied Power

$R_{th(j-a)}$, $R_{th(j-c)}$ は、実装基板や半田付けによる放熱条件やケース温度測定方法によって

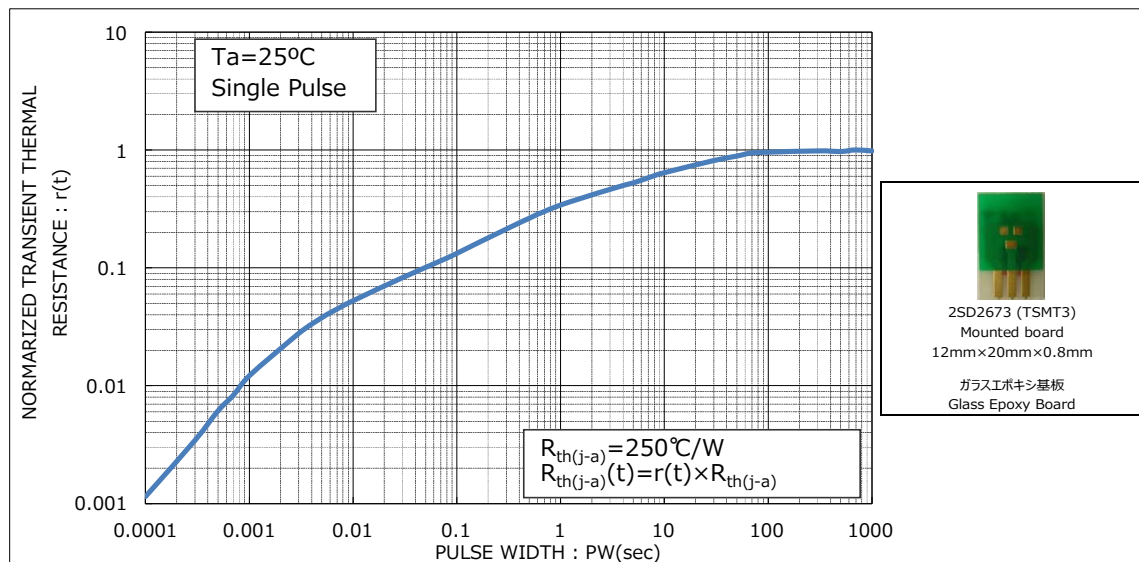
大きく（～数倍程度）変化しますので、あくまでも参考データとしてご活用ください。

Generally speaking, the values of $R_{th(j-a)}$ and $R_{th(j-c)}$ may vary depending on the thermal radiation ability of the board on which the device is mounted, as well as the device itself.

Therefore, the value of $R_{th(j-a)}$ and $R_{th(j-c)}$ measured under our board condition can be very different from the one measured under customer's board condition.

In other words, the value of $R_{th(j-a)}$ and $R_{th(j-c)}$ measured under our condition cannot always be applied to customer's condition.

2. Transient Thermal Resistance / 過渡熱抵抗



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