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|---------|------------|------------|-----------|
| Product | Transistor | Type | 2SCR542F3 |
| Package | HUML2020L3 | JEDEC Code | - |

1. Thermal Resistance / 熱抵抗データ

Condition
Ta=25°C



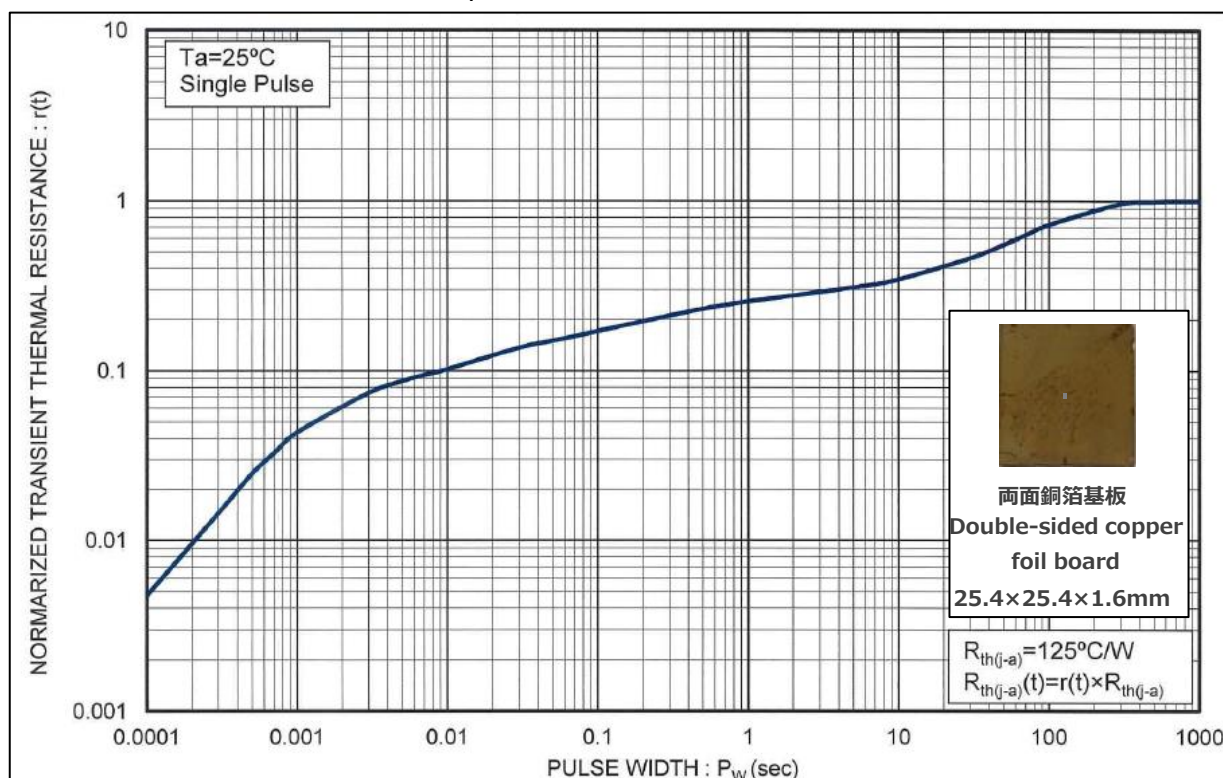
| 測定項目 ITEM | 基板 CIRCUIT | 記号 SYMBOL | 測定値 VALUE | 単位 UNIT |
|---|---------------|---------------|--------------|------------|
| ジャンクション - エア間熱抵抗 Thermal resistance between junction and air | 両面銅箔基板 | $R_{th(j-a)}$ | 125.0 | °C/W |
| ジャンクション - ケース間熱抵抗 Thermal resistance between junction and case | 両面銅箔基板 | $R_{th(j-c)}$ | 36.4 | °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_{ch} として、以下の式より算出しました。
 $R_{th(j-c)}$ measured under room temp (=25°C) taking hottest point of package/case surface using
radiation thermometer and calculated using below formula; (case temp.= T_{case} , junction temp.= T_j)

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

P_c : 印加電力 Power

2. Transient Thermal Resistance / 過渡熱抵抗



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