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| Product | Transistor | Type | 2SCR514P5 |
| Package | MPT3 | JEDEC Code | SOT-89 |

1. Thermal Resistance / 熱抵抗データ

Condition
Ta=25°C



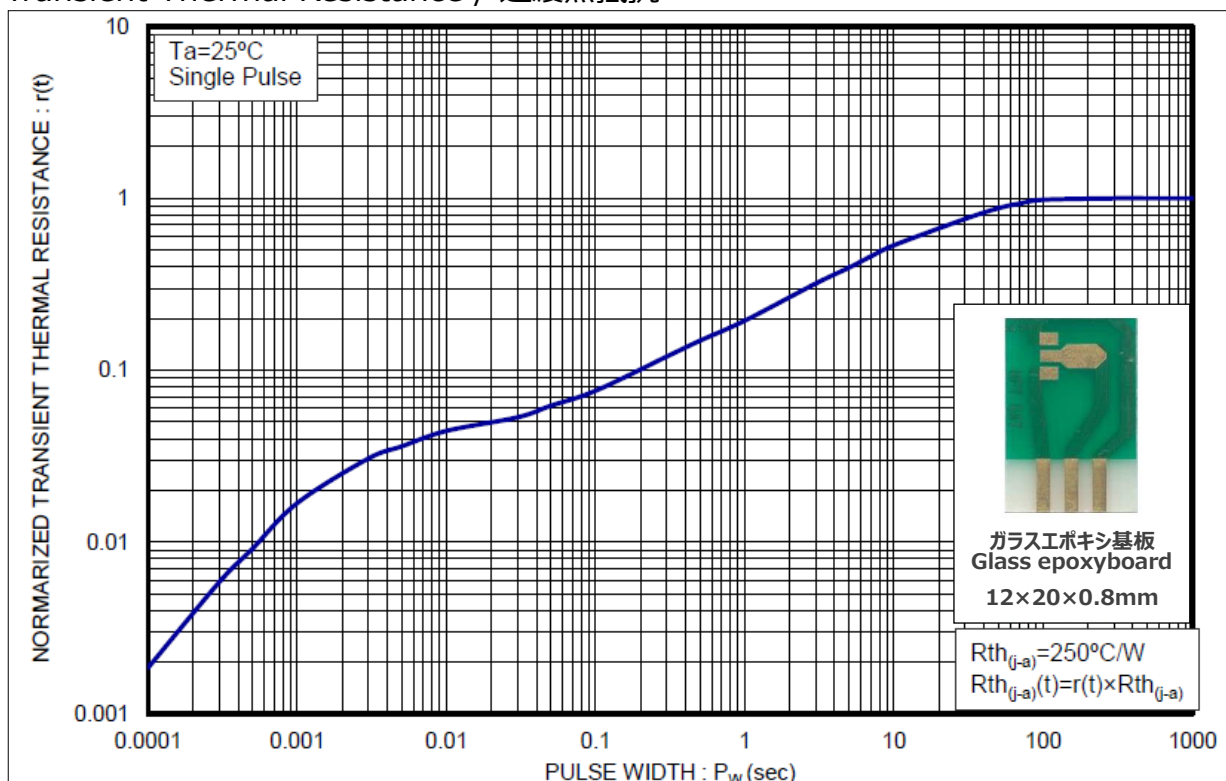
| 測定項目 ITEM | 記号 SYMBOL | 測定値 VALUE | 単位 UNIT |
|--|--------------|--------------|------------|
| ジャンクション - 雰囲気間熱抵抗 Thermal resistance between junction and ambient | Rth(j-a) | 250.0 | °C/W |
| ジャンクション - ケース間熱抵抗 Thermal resistance between junction and case | Rth(j-c) | 71.5 | °C/W |

Rth(j-c)は、周囲温度25°Cにおいて、ケース裏印面の最高温点を放射温度計にて測定しました。
この時のケース温度をTcaseとし、また、ジャンクション温度をTchとして、以下の式より算出しました。
Rth(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.=Tcase, junction temp.=Tj)

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

Pc:印加電力 Power

2. Transient Thermal Resistance / 過渡熱抵抗



Notes

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- 3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.
Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Products beyond the rating specified by ROHM.
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