

Product	Transistor	Type	2SAR583D3
Package	TO-252<DPAK>	JEDEC Code	TO-252

## 1. Thermal Resistance / 熱抵抗データ

Condition  
Ta=25°C



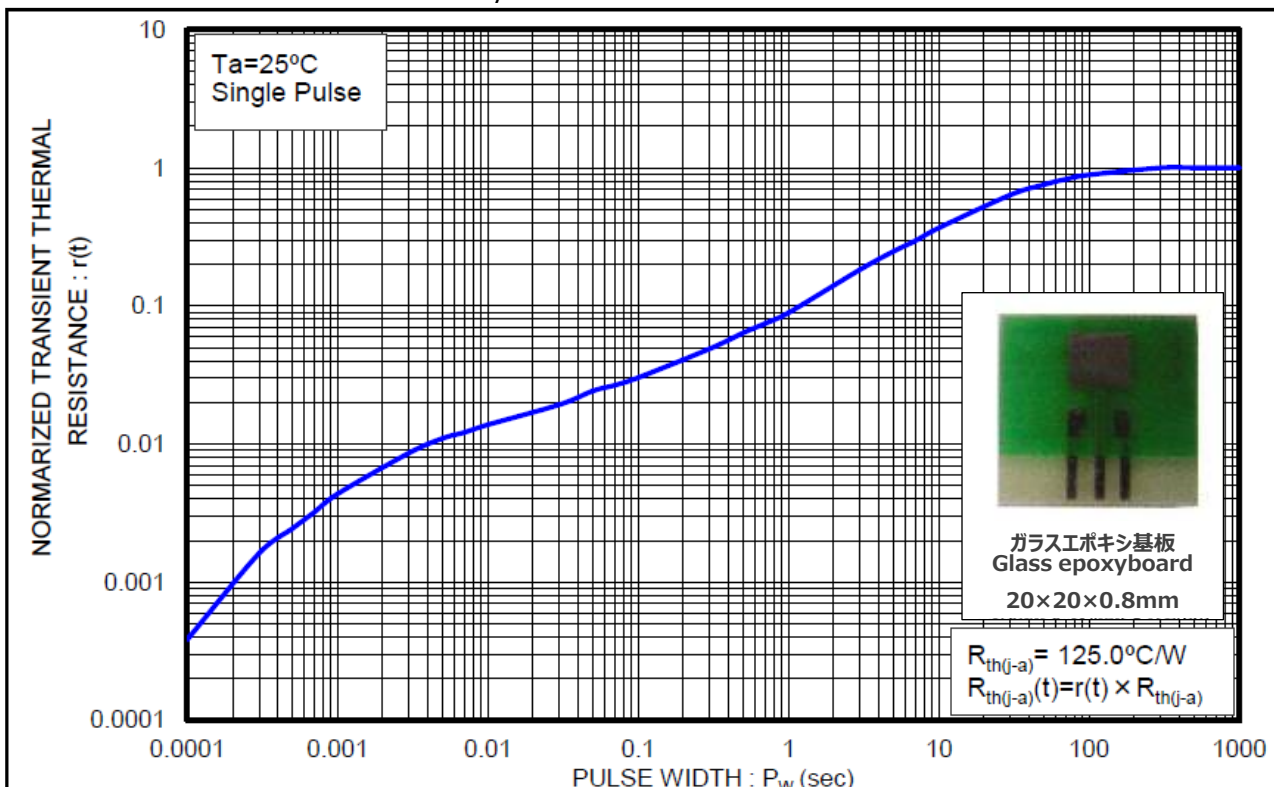
測定項目 ITEM	記号 SYMBOL	測定値 VALUE	単位 UNIT
ジャンクション - 雰囲気間熱抵抗 Thermal resistance between junction and ambient	$R_{th(j-a)}$	125.0	°C/W
ジャンクション - ケース間熱抵抗 Thermal resistance between junction and case	$R_{th(j-c)}$	30.0	°C/W

$R_{th(j-c)}$ 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 $T_{case}$ 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



## Notes

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- 2) Before you use our Products, please contact our sales representative and verify the latest specifications.
- 3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.  
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- 8) For use of our Products in applications requiring a high degree of reliability (as exemplified below), please contact and consult with a ROHM representative : transportation equipment (i.e. cars, ships, trains), primary communication equipment, traffic lights, fire/crime prevention, safety equipment, medical systems, servers, solar cells, and power transmission systems.
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