

Product	Transistor	Type	2SB1427
Package	MPT3	JEDEC Code	SOT-89

## 1. Thermal Resistance / 熱抵抗データ

Condition  
Ta=25°C



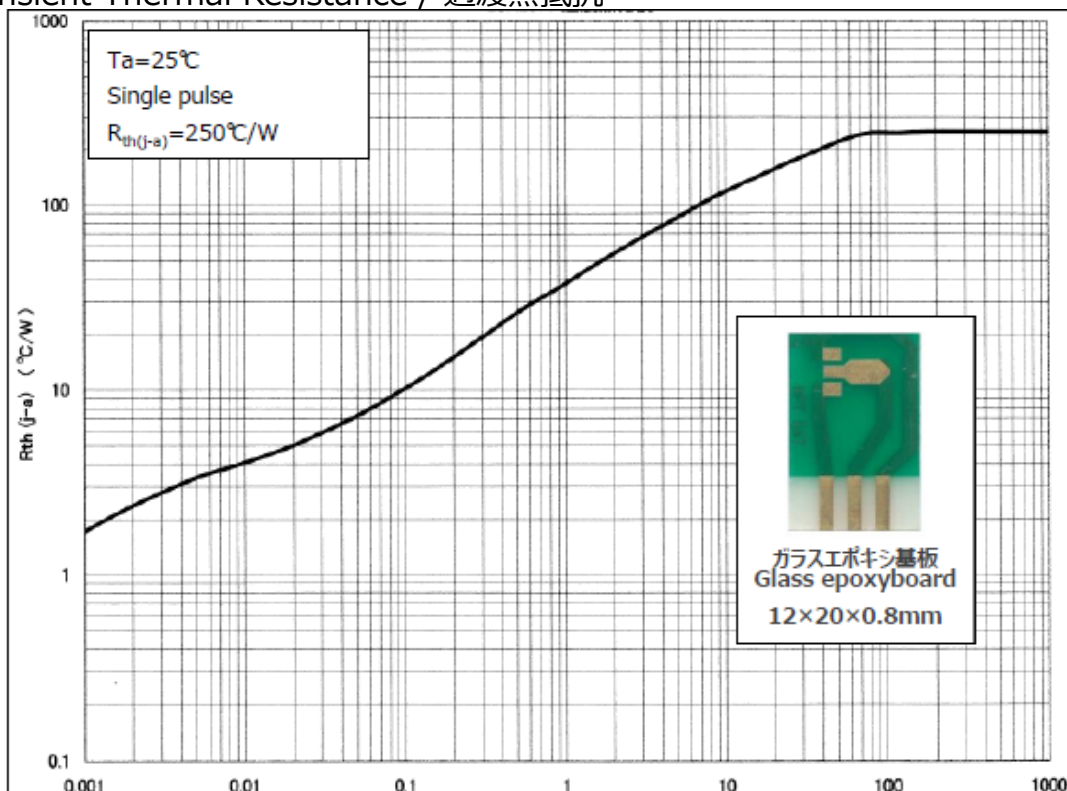
測定項目 ITEM	記号 SYMBOL	測定値 VALUE	単位 UNIT
ジャンクション - 雰囲気間熱抵抗 Thermal resistance between junction and ambient	Rth(j-a)	250.0	°C/W
ジャンクション - ケース間熱抵抗 Thermal resistance between junction and case	Rth(j-c)	<b>90.0</b>	°C/W

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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- 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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