

Product	Transistor	Type	2SAR542F3
Package	HUML2020L3	JEDEC Code	-

1. Thermal Resistance / 熱抵抗データ

Condition
Ta=25°C



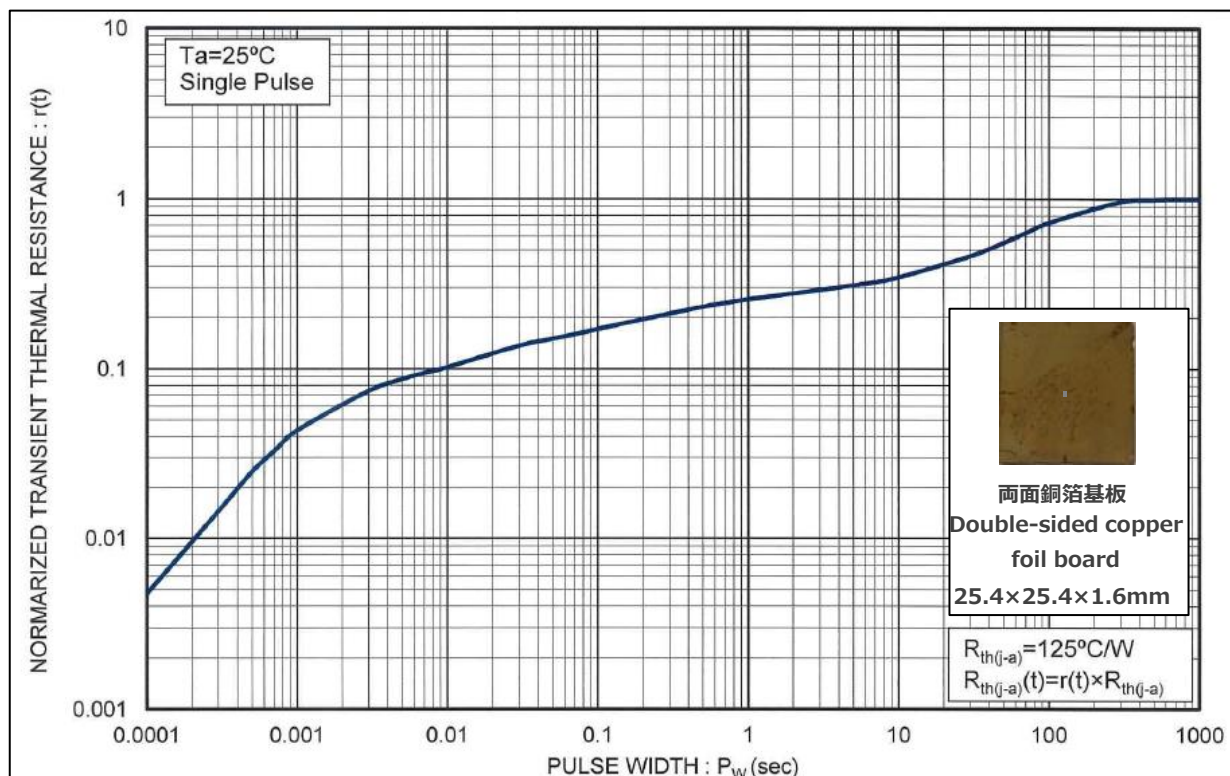
測定項目 ITEM	基板 CIRCUIT	記号 SYMBOL	測定値 VALUE	単位 UNIT
ジャンクション - エア間熱抵抗 Thermal resistance between junction and air	両面銅箔基板	$R_{th(j-a)}$	125.0	°C/W
ジャンクション - ケース間熱抵抗 Thermal resistance between junction and case	両面銅箔基板	$R_{th(j-c)}$	36.4	°C/W

$R_{th(j-c)}$ 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 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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