

MITSUBISHI ELECTRIC CORPORATION

APPLICATION NOTE	Prepared by <i>H. Harada J. Yamada</i>	Rev		
	Approved by <i>M. Yamamoto Nov. 8. 2002</i>			

主 題 (SUBJECT) PM75CLA/CLB060 特性データ (Performance Curves)

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(Switching Loss Characteristics) | $T_j=25/125^\circ\text{C}$ |
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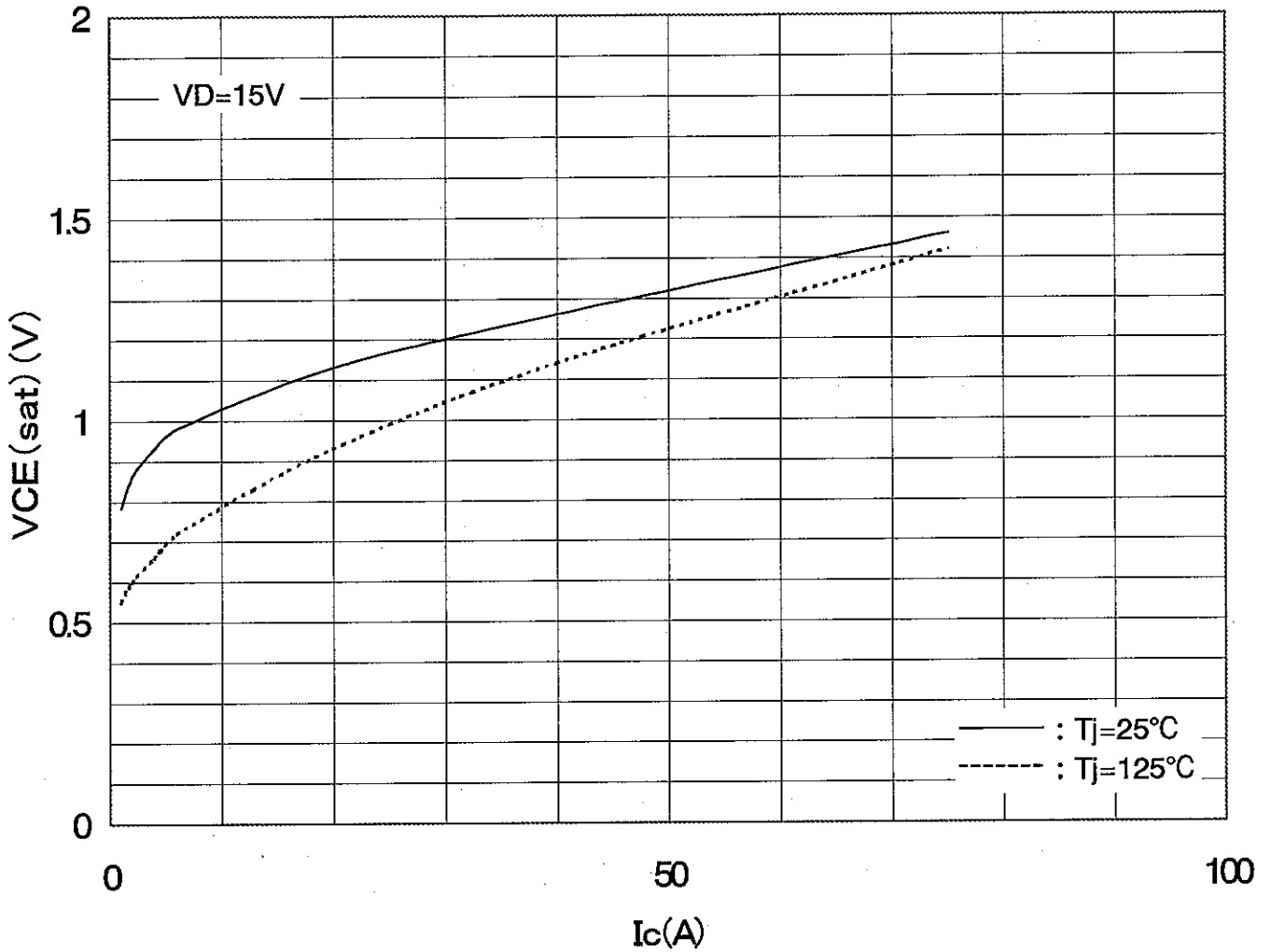
2. 過渡熱インピーダンス特性 (Transient Thermal Impedance Characteristics)

2.1 インバータ部 (Inverter Part)

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コレクタ・エミッタ間飽和電圧特性 (インバータ部・代表例)
 (Collector-Emitter Saturation Voltage (VS. Ic) Characteristics ;
 (Inverter Part) Typical)



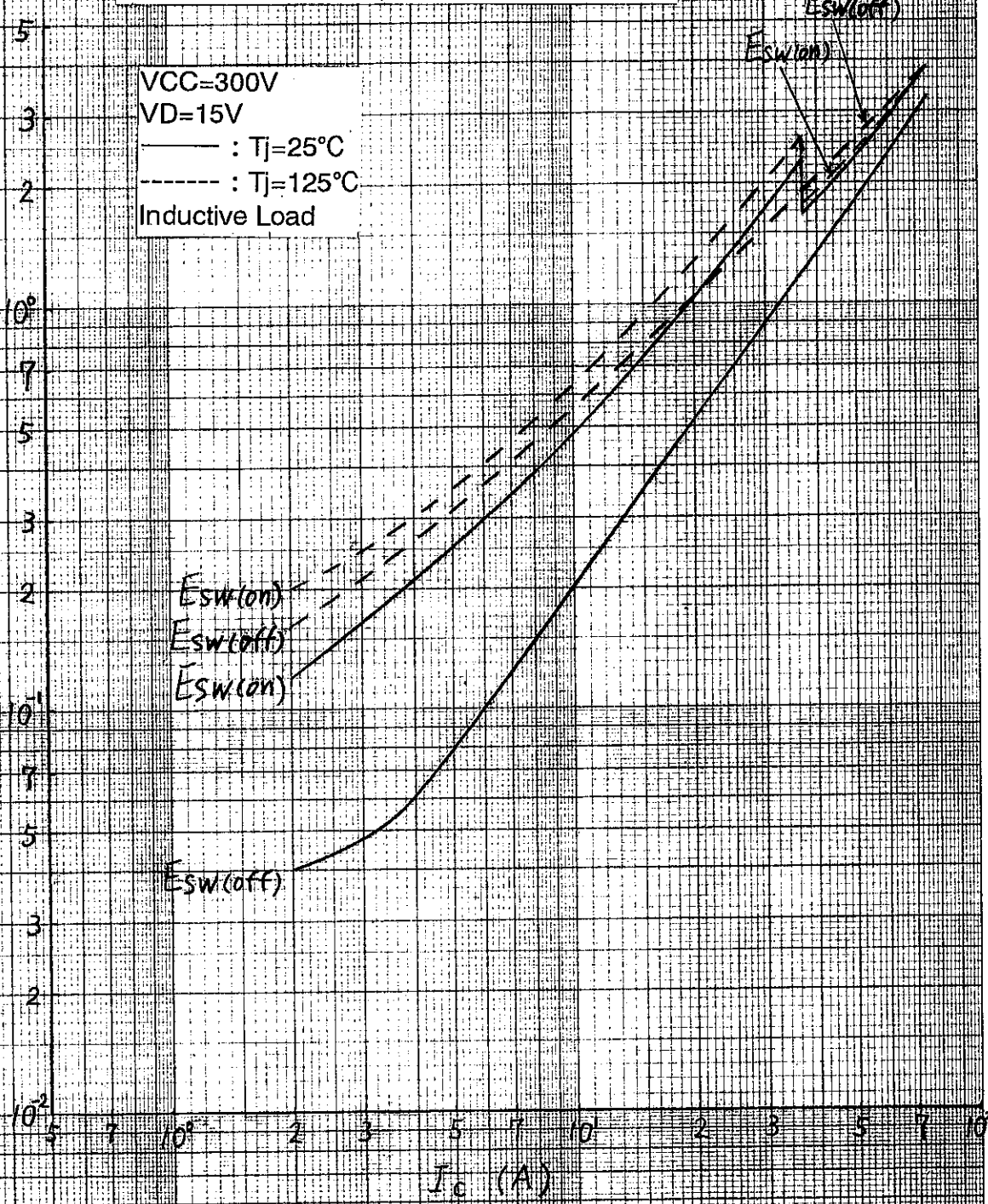
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スイッチング損失特性 (代表例)
(Switching Loss Characteristics ; Typical)

VCC=300V
 VD=15V
 — : Tj=25°C
 - - - : Tj=125°C
 Inductive Load

$E_{sw(on)}$, $E_{sw(off)}$ (mJ/Pulse)



CMH-5127
(3/6)
CURVE NO.

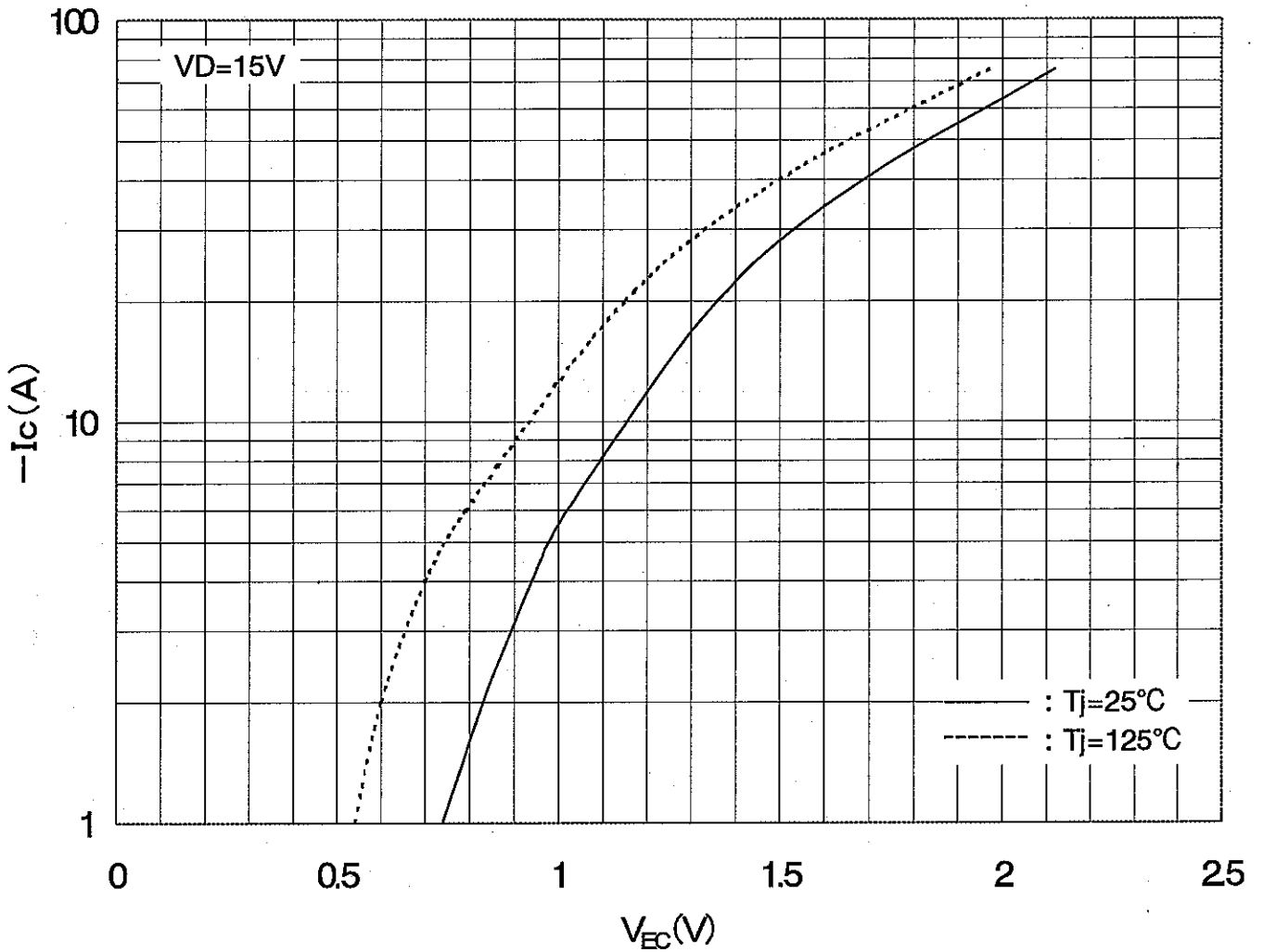
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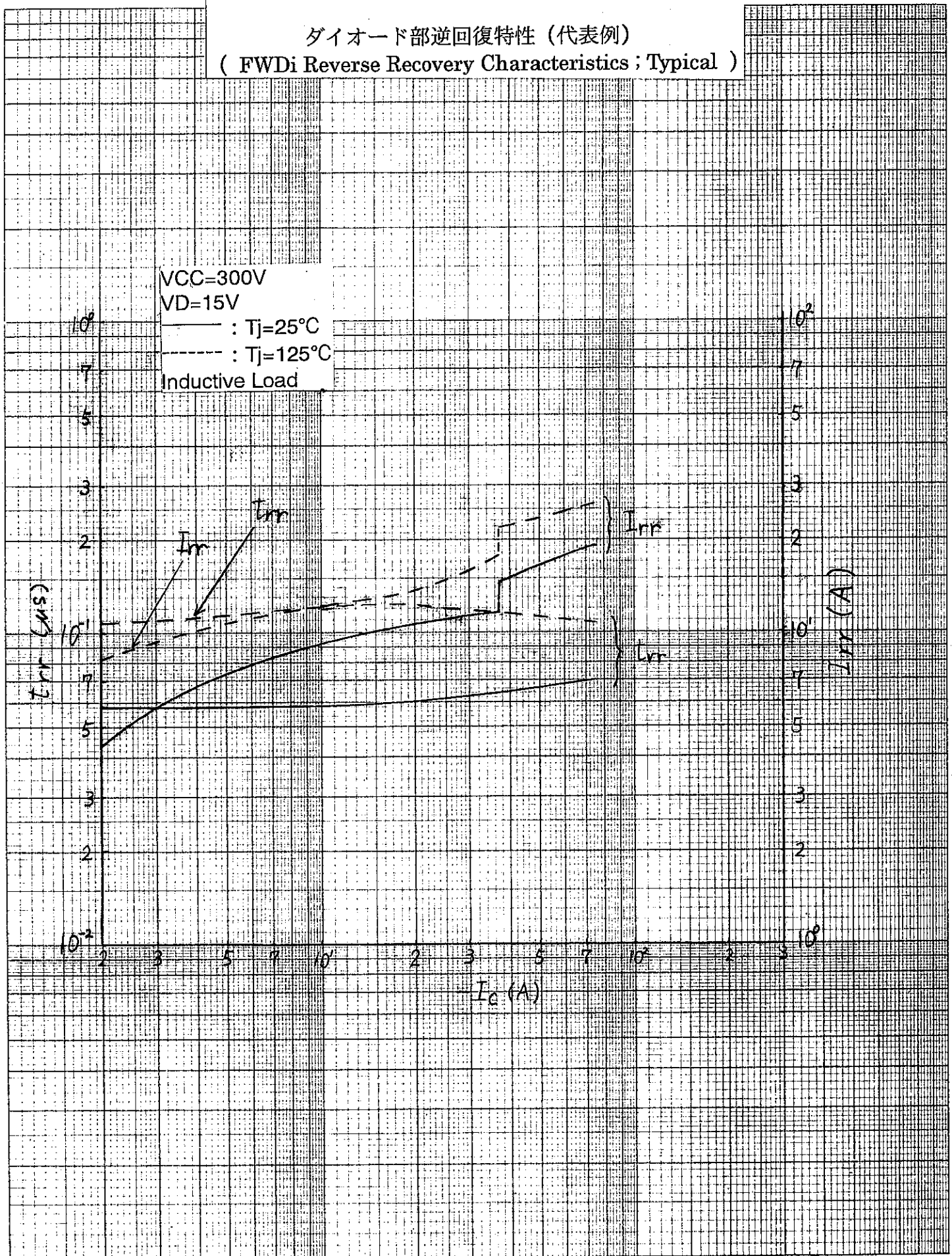
ダイオード部順方向特性 (インバータ部・代表例)
 (FWDi Forward Voltage Characteristics ; (Inverter Part) Typical)



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ダイオード部逆回復特性 (代表例)
(FWDi Reverse Recovery Characteristics ; Typical)



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2. PM75CLA/CLB060 過渡熱インピーダンス特性 (Transient Thermal Impedance Characteristics)

2.1 インバータ部 過渡熱抵抗特性 Inverter Part (Single Pulse)

IGBT部 (IGBT Part) ; 基準値 = $R_{th(j-c)Q} = 0.42 \text{ } ^\circ\text{C}/\text{W}$
 FWDi部 (FWDi Part) ; 基準値 = $R_{th(j-c)F} = 0.69 \text{ } ^\circ\text{C}/\text{W}$

(Tcは側面)

