

■電気的特性 Electrical Characteristics

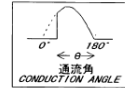
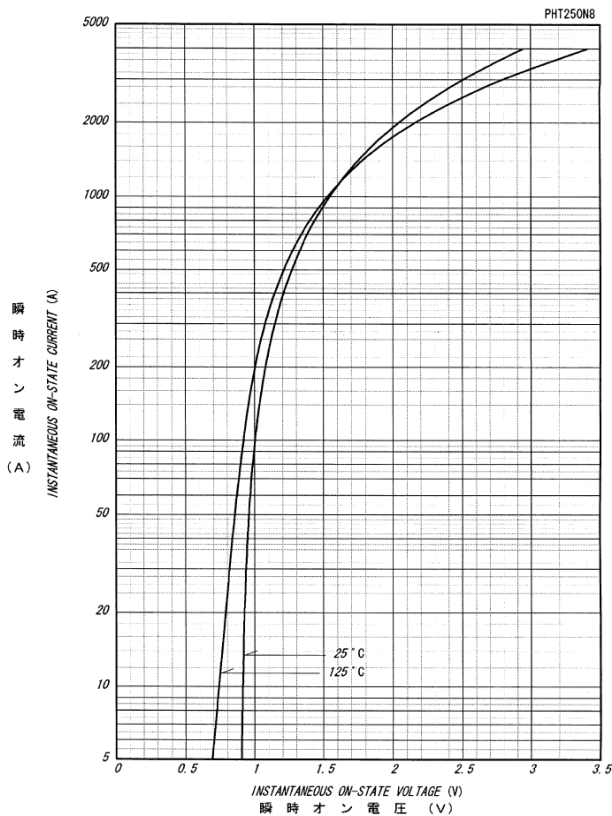
項 目 Parameter	記 号 Symbol	条 件 Conditions		特性値 (最大) Maximum Value			単位 Unit
				最小 Min	標準 Typ	最大 Max	
ピークオフ電流 Peak Off State Current	I_{DM}	$T_j = 125^{\circ}\text{C}$, $V_{DM} = V_{DRM}$				80	mA
ピーク逆電流 Peak Reverse Current	I_{RM}	$T_j = 125^{\circ}\text{C}$, $V_{RM} = V_{RRM}$				80	mA
ピークオン電圧 Peak Off State Voltage	V_{TM}	$T_j = 25^{\circ}\text{C}$, $I_{TM} = 800\text{A}$				1.43	V
トリガゲート電流 Gate Current to Trigger	I_{GT}	$V_D = 6\text{V}$, $I_T = 1\text{A}$	$T_j = -40^{\circ}\text{C}$			300	mA
			$T_j = 25^{\circ}\text{C}$			150	
			$T_j = 125^{\circ}\text{C}$			80	
トリガゲート電圧 Gate Voltage to Trigger	V_{GT}	$V_D = 6\text{V}$, $I_T = 1\text{A}$	$T_j = -40^{\circ}\text{C}$			5	V
			$T_j = 25^{\circ}\text{C}$			3	
			$T_j = 125^{\circ}\text{C}$			2	
非トリガゲート電圧 Gate Non-Trigger Voltage	V_{GD}	$T_j = 125^{\circ}\text{C}$, $V_D = 2/3 V_{DRM}$		0.25			V
臨界オフ電圧上昇率 Critical Rate of Rise of Off State Voltage	dv/dt	$T_j = 125^{\circ}\text{C}$, $V_D = 2/3 V_{DRM}$		500			V/ μs
ターンオフ時間 Turn-Off Time	t_q	$T_j = 125^{\circ}\text{C}$, $I_{TM} = I_o$, $V_D = 2/3 V_{DRM}$ $dv/dt = 20\text{V}/\mu\text{s}$, $V_R = 100\text{V}$, $-di/dt = 20\text{A}/\mu\text{s}$			200		μs
ターンオン時間 Turn-On Time	t_{gt}	$T_j = 25^{\circ}\text{C}$, $V_D = 2/3 V_{DRM}$ $I_G = 300\text{mA}$, $di_G/dt = 0.2\text{A}/\mu\text{s}$			6		μs
遅れ時間 Delay Time	t_d				2		μs
立ち上がり時間 Rise Time	t_r				4		μs
ラッチング電流 Latching Current	I_L	$T_j = 25^{\circ}\text{C}$			150		mA
保持電流 Holding Current	I_H	$T_j = 25^{\circ}\text{C}$			100		mA
熱抵抗 Thermal Resistance	$R_{th(j-c)}$	接合部—ケース間 Junction to Case				0.1	$^{\circ}\text{C}/\text{W}$
接触熱抵抗 Thermal Resistance	$R_{th(c-f)}$	ケースフィン間, サーマルコンパウンド塗布 Case to Fin, Greased				0.1	$^{\circ}\text{C}/\text{W}$

質 量 ——— 約250g
Approximate Weight

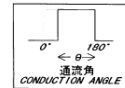
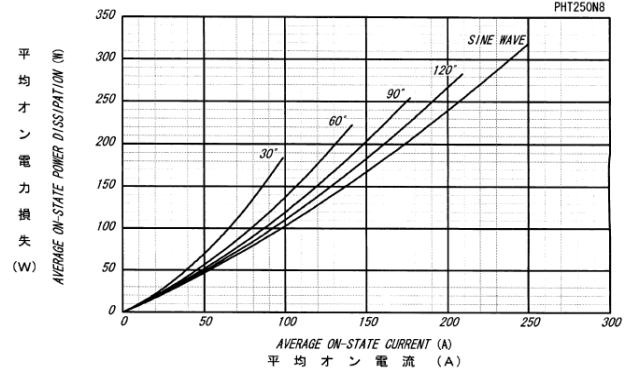
1 アーム当りの値 Value Per 1 Arm.

■定格・特性曲線

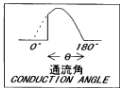
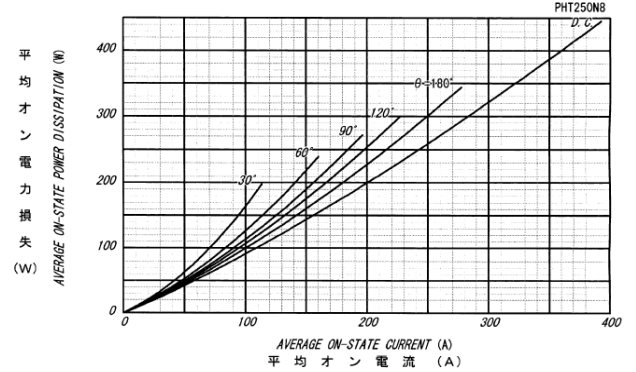
オン電圧特性
ON-STATE CURRENT VS. VOLTAGE



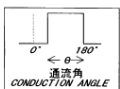
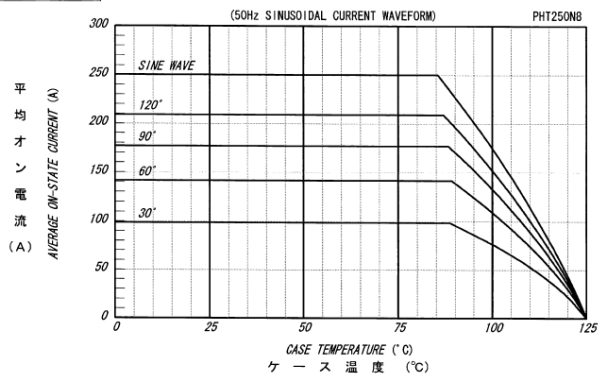
平均オン電力損失特性
AVERAGE ON-STATE POWER DISSIPATION
for SINUSOIDAL CURRENT WAVEFORM



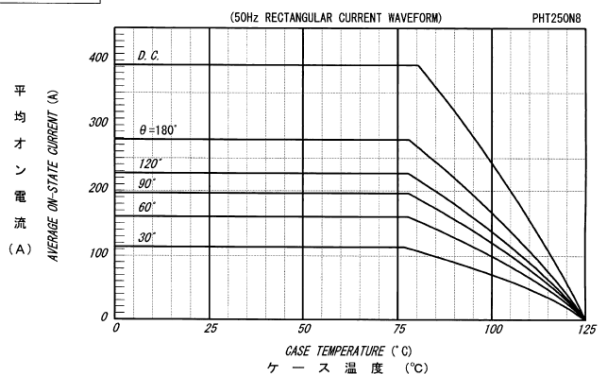
平均オン電力損失特性
AVERAGE ON-STATE POWER DISSIPATION
for RECTANGULAR CURRENT WAVEFORM



平均オン電流 - ケース温度定格
AVERAGE ON-STATE CURRENT VS. CASE TEMPERATURE

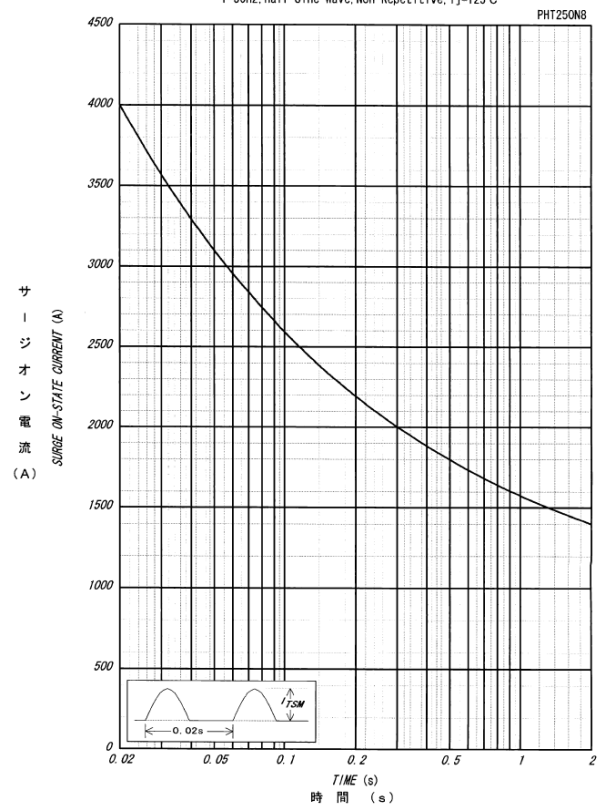


平均オン電流 - ケース温度定格
AVERAGE ON-STATE CURRENT VS. CASE TEMPERATURE

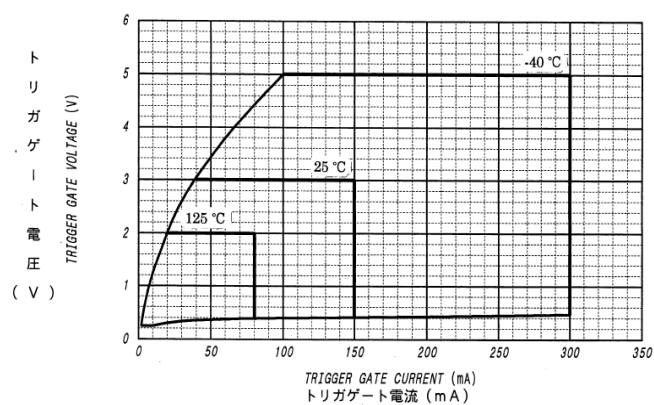


サージオン電流定格
SURGE CURRENT RATINGS

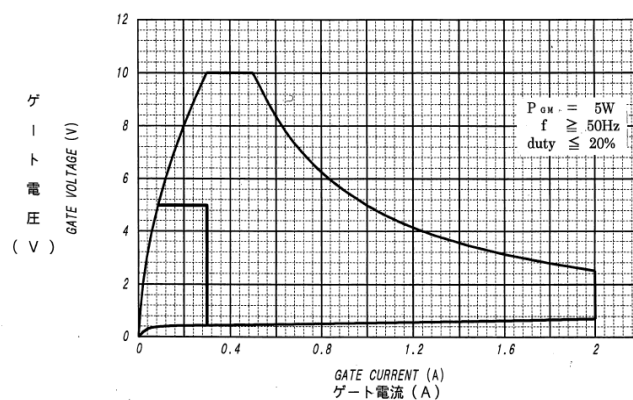
f=50Hz, Half Sine Wave, Non-Repetitive, Tj=125°C



ゲート特性
GATE CHARACTERISTICS



ゲート定格
GATE RATINGS



過渡熱抵抗特性
MAXIMUM TRANSIENT THERMAL IMPEDANCE
Junction to Case

