

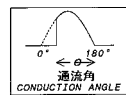
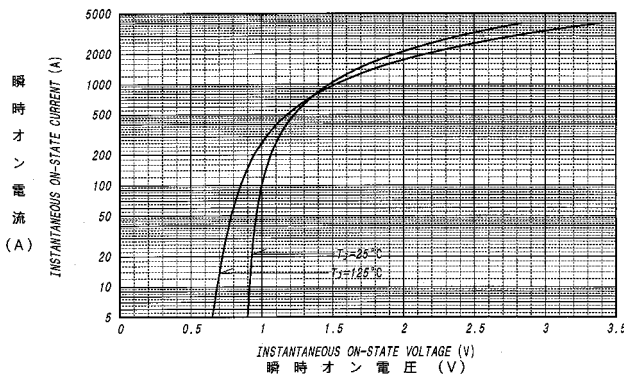
■電気的特性 Electrical Characteristics

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 On-State Voltage	V_{TM}	$T_j=25^\circ\text{C}$, $I_{TM}=800\text{A}$			1.38	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	mA
			$T_j=125^\circ\text{C}$		80	mA
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	V
			$T_j=125^\circ\text{C}$		2	V
非トリガゲート電圧 Gate Non-Trigger Voltage	V_{GD}	$T_j=125^\circ\text{C}$, $V_D=2/3V_{DRM}$	0.25			V
臨界オフ電圧上昇率 Critical Rate of Rise of Off-State Voltage	dv/dt	$T_j=125^\circ\text{C}$, $V_D=2/3V_{DRM}$	500			V/ μs
ターンオフ時間 Turn-Off Time	t_q	$T_j=125^\circ\text{C}$, $I_{TM}=I_o$, $V_D=2/3V_{DRM}$ $dv/dt=20\text{V}/\mu\text{s}$, $V_R=100\text{V}$, $-di/dt=20\text{A}/\mu\text{s}$		200		μs
ターンオン時間 Turn-On Time	t_{gt}			6		μs
遅れ時間 Delay Time	t_d	$T_j=25^\circ\text{C}$, $V_D=2/3V_{DRM}$ $I_G=300\text{mA}$, $di_g/dt=0.2\text{A}/\mu\text{s}$		2		μs
立上がり時間 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			0.18	$^\circ\text{C}/\text{W}$
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	$^\circ\text{C}/\text{W}$

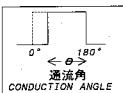
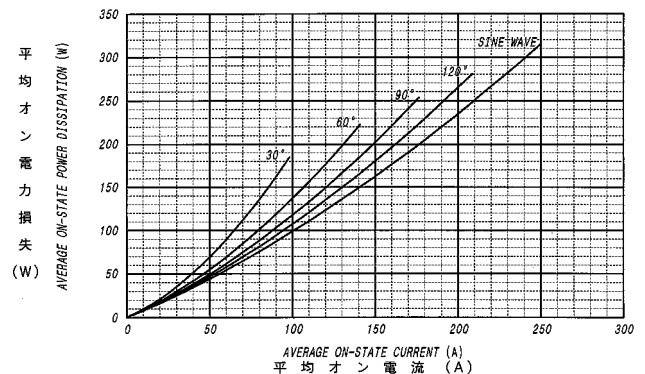
質量…約250g
Approximate Weight

■定格・特性曲線

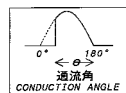
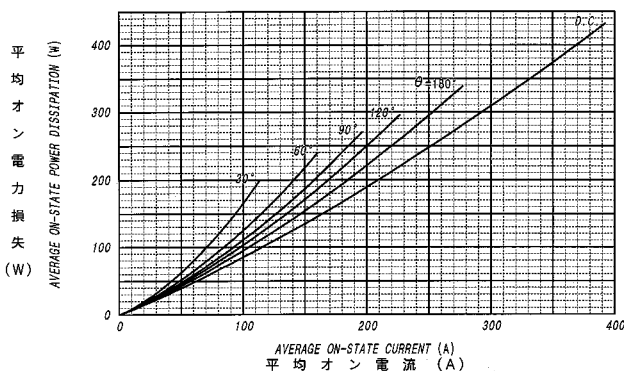
オン電圧特性
ON-STATE CURRENT VS. VOLTAGE



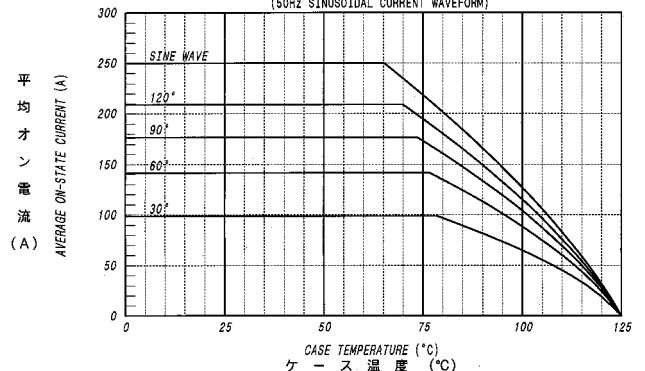
平均オン電力損失特性
AVERAGE ON-STATE POWER DISSIPATION
for SINUSOIDAL CURRENT WAVEFORM

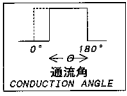


平均オン電力損失特性
AVERAGE ON-STATE POWER DISSIPATION
for RECTANGULAR CURRENT WAVEFORM

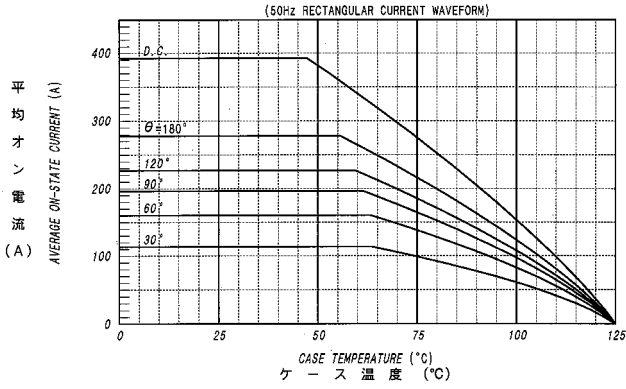


平均オン電流-ケース温度定格
AVERAGE ON-STATE CURRENT VS. CASE TEMPERATURE





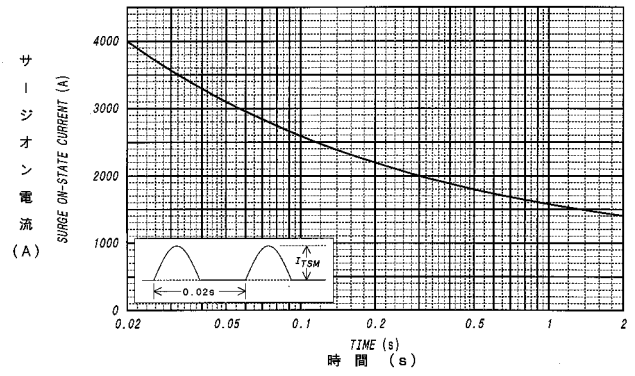
平均オン電流 - ケース温度定格
AVERAGE ON-STATE CURRENT VS. CASE TEMPERATURE



ゲート特性
GATE CHARACTERISTICS

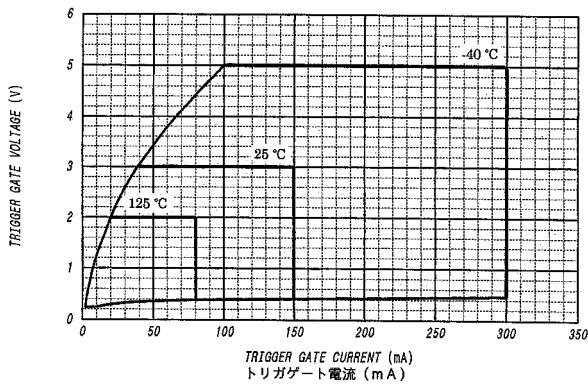
サージオン電流定格
SURGE CURRENT RATINGS

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

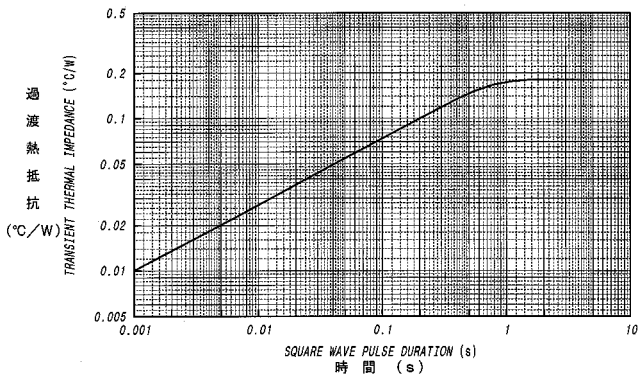


ゲート定格
GATE RATINGS

トリガゲート電圧 (V)



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



ゲート電圧 (V)

