

勝特力材料 886-3-5753170
勝特力電子(上海) 86-21-34970699
勝特力電子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

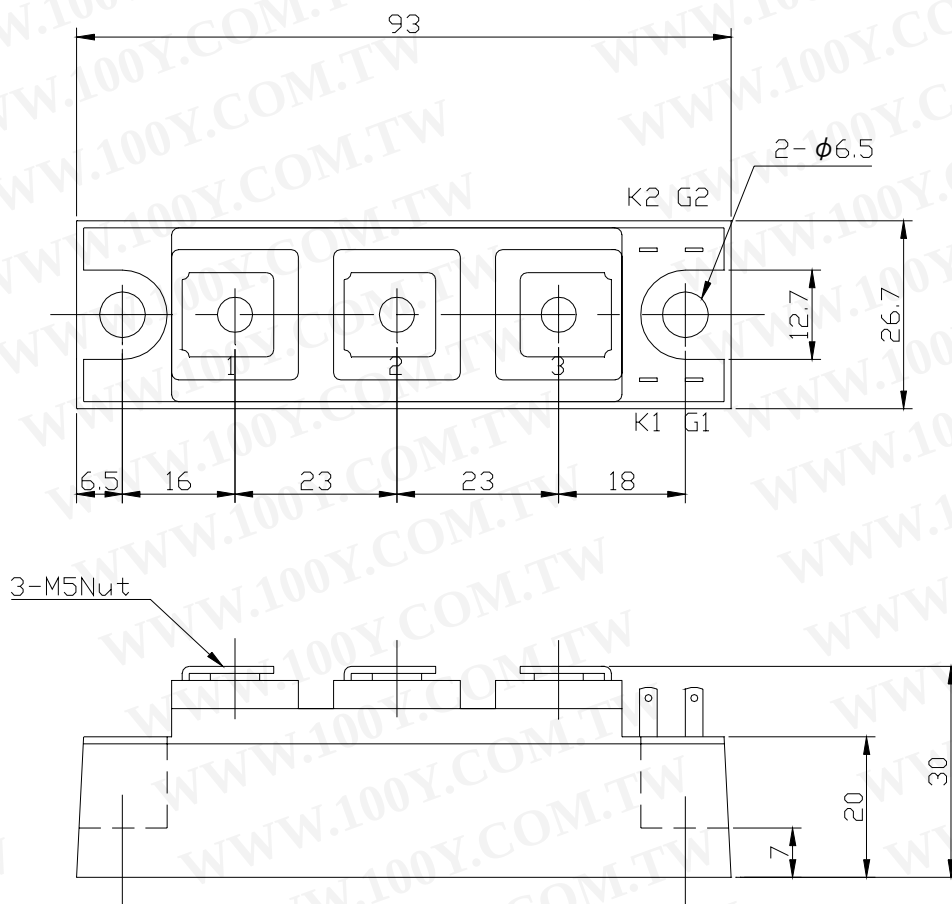
Electrical • Thermal Characteristics

Characteristics	Symbol	Test Conditions	Maximum Value.			Unit
			Min.	Typ.	Max.	
Peak Off-State Current	I_{DM}	$V_{DM} = V_{DRM}, T_j = 125^{\circ}C$			15	mA
Peak Reverse Current	I_{RM}	$V_{RM} = V_{RRM}, T_j = 125^{\circ}C$			15	mA
Peak Forward Voltage	V_{TM}	$I_{TM} = 180A, T_j = 25^{\circ}C$			1.45	V
Gate Current to Trigger	I_{GT}	$V_D = 6V, I_T = 1A$	$T_j = -40^{\circ}C$		200	mA
			$T_j = 25^{\circ}C$		100	
			$T_j = 125^{\circ}C$		50	
Gate Voltage to Trigger	V_{GT}	$V_D = 6V, I_T = 1A$	$T_j = -40^{\circ}C$		4	V
			$T_j = 25^{\circ}C$		2.5	
			$T_j = 125^{\circ}C$		2	
Gate Non-Trigger Voltage	V_{GD}	$V_D = 2/3V_{DRM}, T_j = 125^{\circ}C$	0.25			V
Critical Rate of Rise of Off-State Voltage	dv/dt	$V_D = 2/3V_{DRM}, T_j = 125^{\circ}C$	500			V/ μs
Turn-Off Time	t_q	$I_{TM} = I_O, V_D = 2/3V_{DRM}$ $dv/dt = 20V/\mu s, V_R = 100V$ $-di/dt = 20A/\mu s, T_j = 125^{\circ}C$		100		μs
Turn-On Time	t_{gt}	$V_D = 2/3V_{DRM}, T_j = 125^{\circ}C$ $I_G = 200mA, di_G/dt = 0.2A/\mu s$		6		μs
Delay Time	t_d			2		μs
Rise Time	t_r			4		μs
Latching Current	I_L	$T_j = 25^{\circ}C$		100		mA
Holding Current	I_H	$T_j = 25^{\circ}C$		50		
Thermal Resistance	$R_{th(j-c)}$	Junction to Case			0.5	$^{\circ}C/W$
	$R_{th(c-f)}$	Base Plate to Heat Sink with Thermal Compound			0.2	

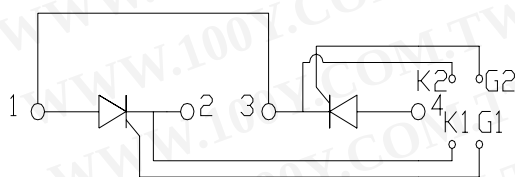
Value Per 1Arm

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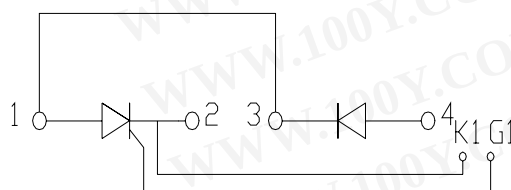
PDT/PDH601x OUTLINE DRAWING (Dimensions in mm)



PDT

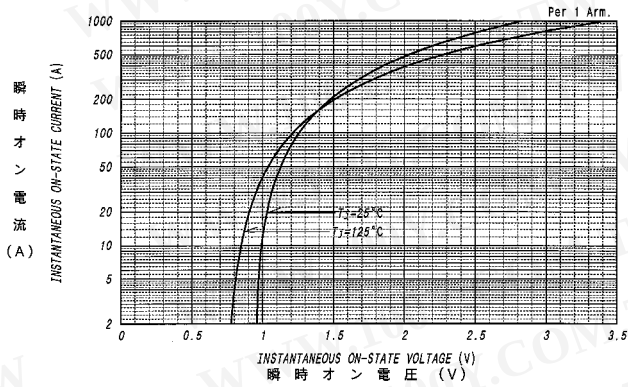


PDH

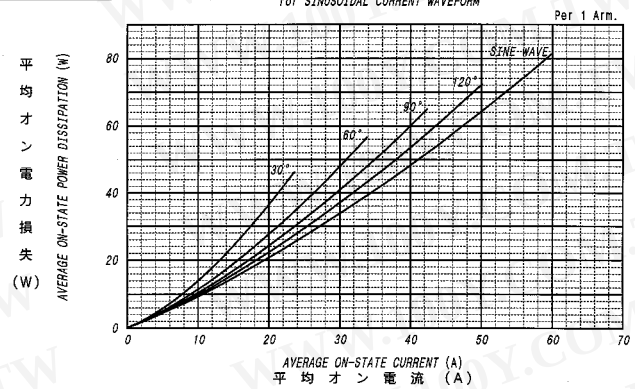


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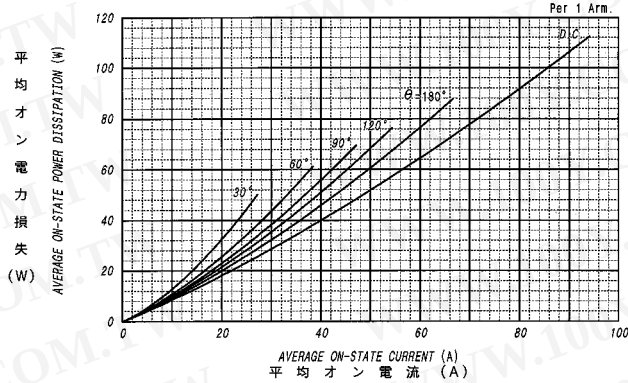
オン電圧特性
ON-STATE CURRENT VS. VOLTAGE



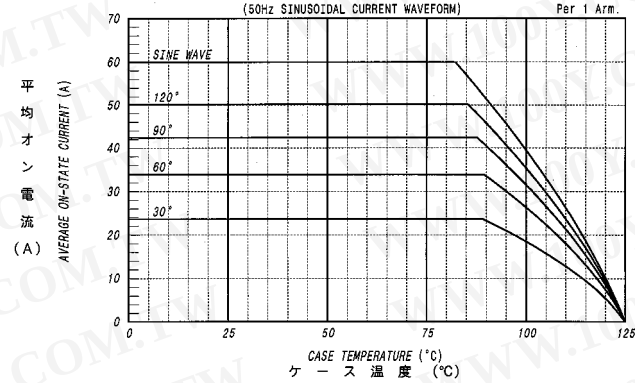
平均オン電力損失特性
AVERAGE ON-STATE POWER DISSIPATION
for SINUSOIDAL CURRENT WAVEFORM



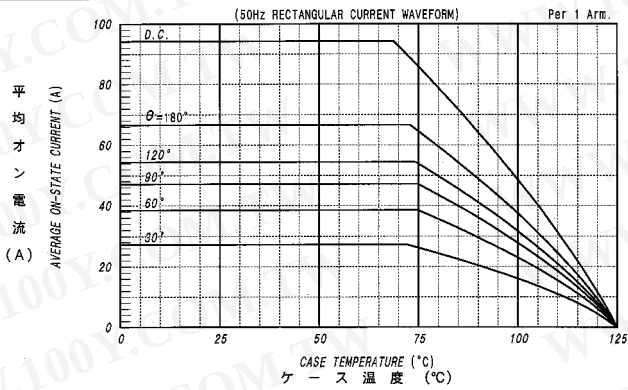
平均オン電力損失特性
AVERAGE ON-STATE POWER DISSIPATION
for RECTANGULAR CURRENT WAVEFORM



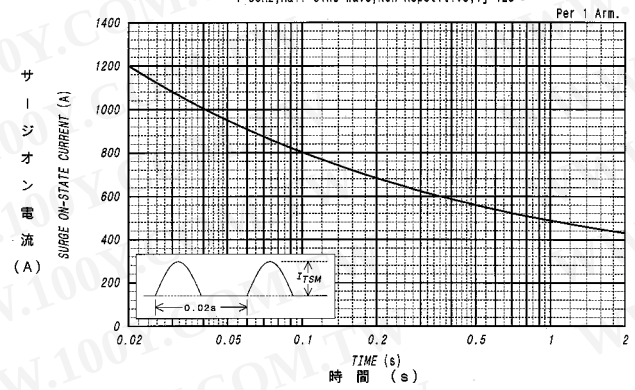
平均オン電流 - ケース温度定格
AVERAGE ON-STATE CURRENT VS. CASE TEMPERATURE



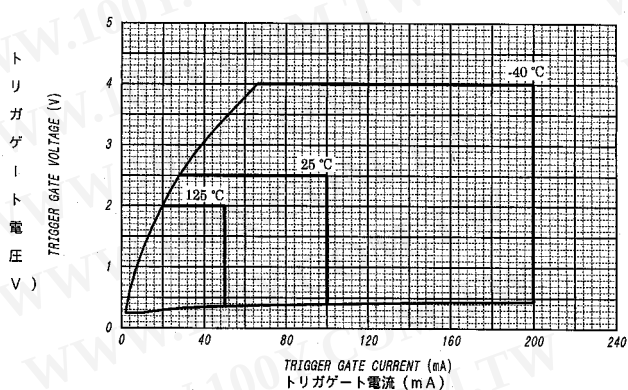
平均オン電流 - ケース温度定格
AVERAGE ON-STATE CURRENT VS. CASE TEMPERATURE



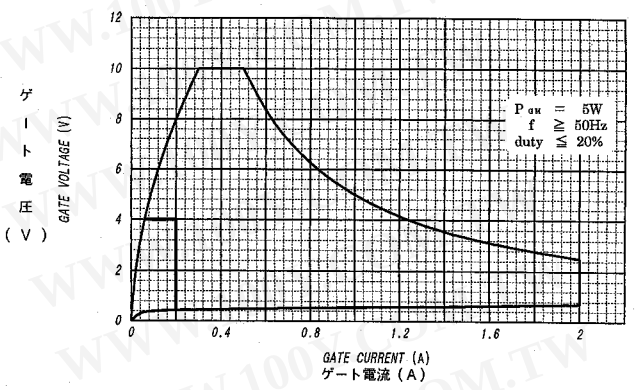
サージオン電流定格
SURGE CURRENT RATINGS
f=50Hz, Half Sine Wave, Non-Repetitive, Tj=125°C

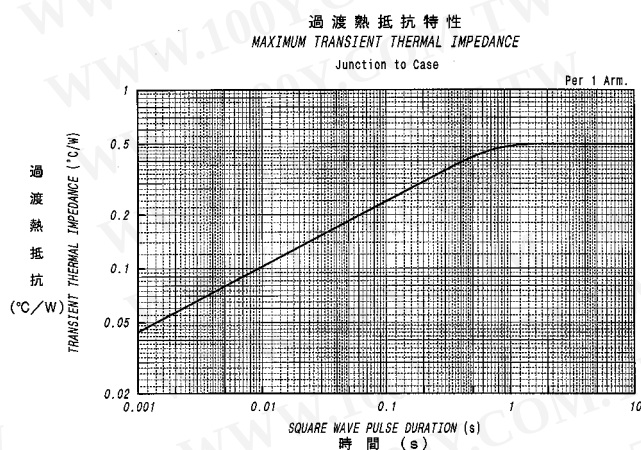


ゲート特性
GATE CHARACTERISTICS



ゲート定格
GATE RATINGS





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