

DIODE MODULE 60A/800V

PC608
PD608

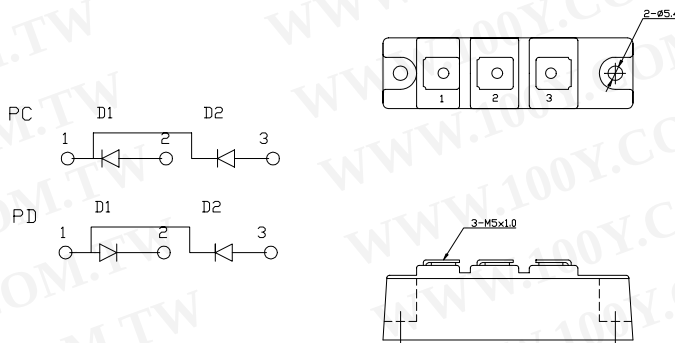
FEATURES

- * Isolated Base
- * Dual Diodes Cathode Common and Cascaded Circuit
- * High Surge Capability
- * UL Recognized, File No. E187184

TYPICAL APPLICATIONS

- * Rectified For General Use

OUTLINE DRAWING



Maximum Ratings

Approx Net Weight:155g

Parameter	Symbol	Type / Grade	Unit
		PC608 / PD608	
Repetitive Peak Reverse Voltage *1	V_{RRM}	800	V
Non Repetitive Peak Reverse Voltage *1	V_{RSM}	960	

Parameter		Conditions	Max Rated Value	Unit
Average Rectified Output Current *1	$I_{O(AV)}$	50Hz Half Sine Wave condition $T_c=114^{\circ}\text{C}$	60	A
RMS Forward Current *1	$I_{F(RMS)}$		94	A
Surge Forward Current *1	I_{FSM}	50 Hz Half Sine Wave, 1Pulse Non-repetitive	1200	A
I Squared t *1	I^2t	2msec to 10msec	7200	A^2s
Operating Junction Temperature Range	T_{jw}		-40 to +150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}		-40 to +125	$^{\circ}\text{C}$
Isolation Voltage	Viso	Base Plate to Terminals, AC1min	2000	V
Mounting torque	Case mounting	Ftor	M5 Screw	N.m
	Terminals		M5 Screw	

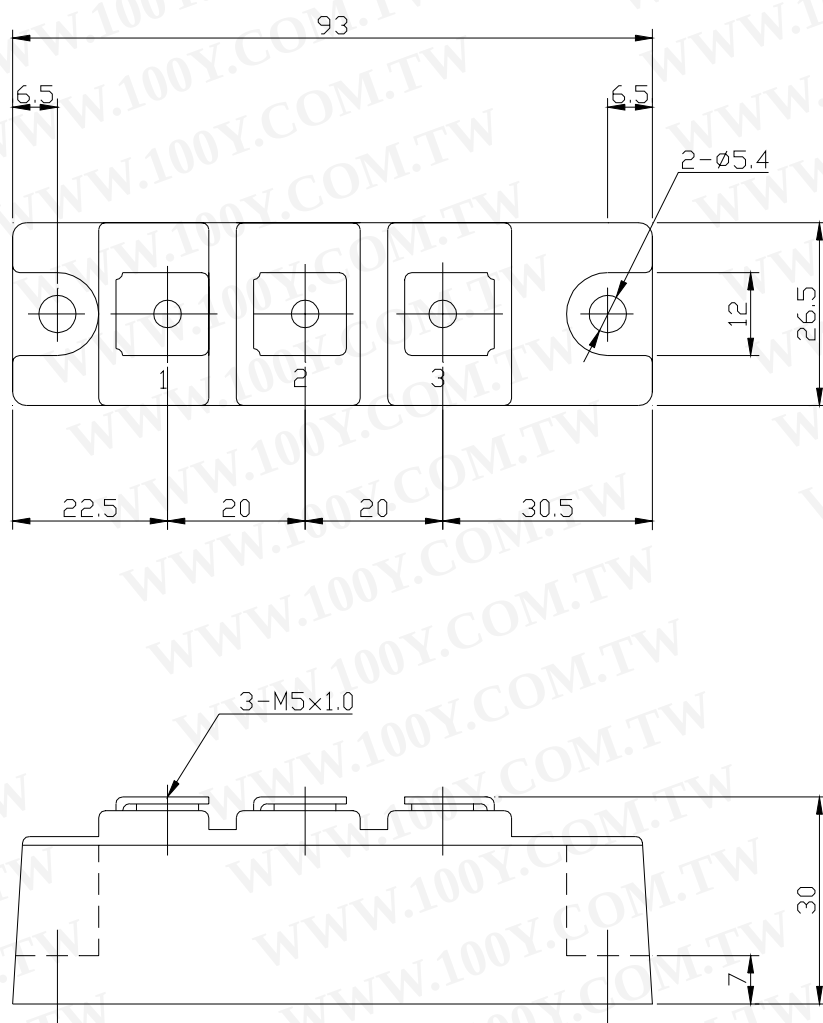
Electrical • Thermal Characteristics

Characteristics	Symbol	Test Conditions	Max.	Unit
Peak Reverse Current *1	I_{RM}	$V_{RM}=V_{RRM}$, $T_j=150^{\circ}\text{C}$	10	mA
Peak Forward Voltage *1	V_{FM}	$I_{FM}=180\text{A}$, $T_j=25^{\circ}\text{C}$	1.25	V
Thermal Resistance *1	$R_{th(j-c)}$	Junction to Case	0.5	$^{\circ}\text{C/W}$
	$R_{th(c-f)}$	Base Plate to Heat Sink with Thermal Compound	0.2	

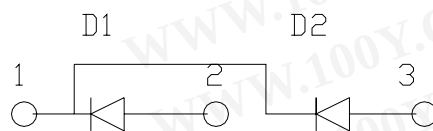
*1: Value Per 1Arm

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

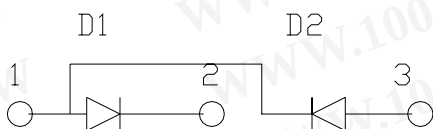
PC/PD608 OUTLINE DRAWING (Dimensions in mm)



PC

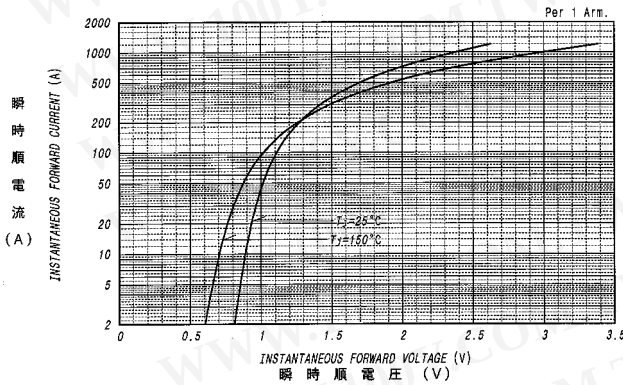


PD

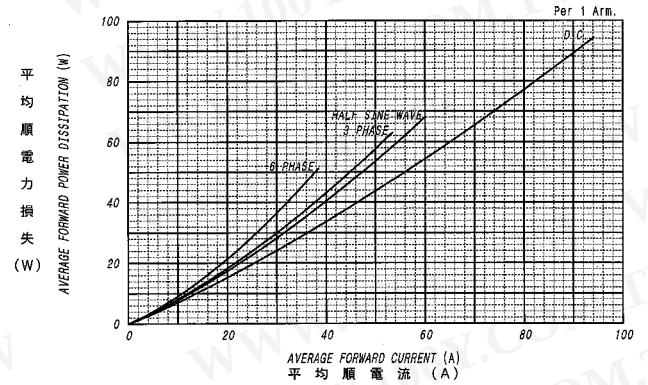


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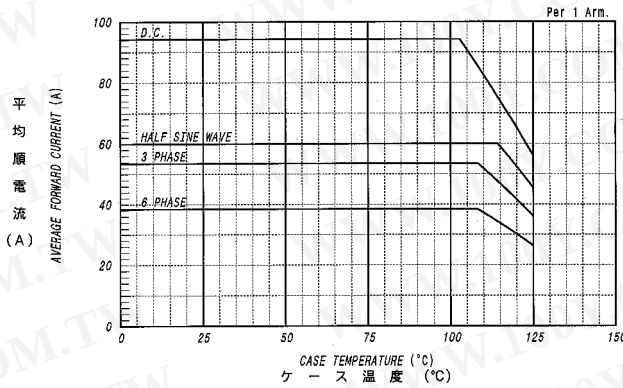
順電圧特性
FORWARD CURRENT VS. VOLTAGE



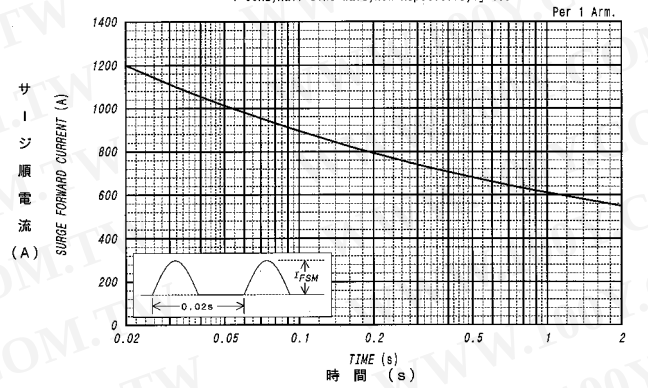
平均順電力損失特性
AVERAGE FORWARD POWER DISSIPATION



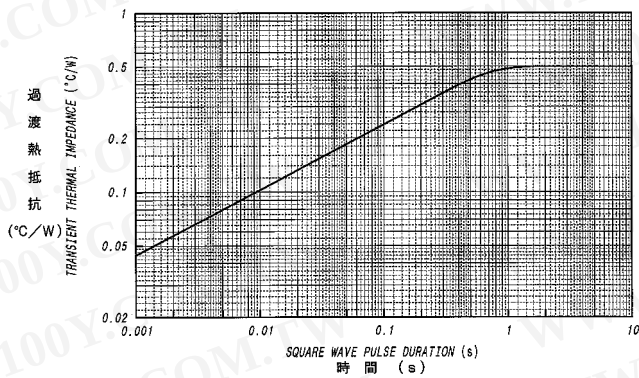
平均順電流 - ケース温度定格
AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE



サージ順電流定格
SURGE CURRENT RATINGS



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



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