

**KP 1000 - \*\***

ZP General Purpose Rectifiers  
KP Phase Control Thyristors  
ZK Fast Recovery Rectifiers  
KK Fast Switching Thyristors  
KS Triacs  
ZW Welding Diodes

Rated Voltage Class ( $** \times 100 = V_{DRM}/V_{RRM}$ )

Rated Current  $I_{T(AV)}/I_{F(AV)}$

**TT 200 - \*\***

TT: Dual Thyristors  
TD: Thyristor with Diode  
DT: Diode with Thyristor  
DD: Dual Diodes  
TZ: Single Thyristor  
DZ: Single Diode

Rated Voltage Class ( $** \times 100 = V_{DRM}/V_{RRM}$ )

Rated Current  $I_{T(AV)}/I_{F(AV)}$

**M T C 90 - \*\***

Module

D: General Purpose Rectifiers  
T: Phase Control Thyristors  
Z: Fast Recovery Rectifiers  
K: Fast Switching Thyristors  
F: D&T  
H: Z&K

Rated Voltage Class ( $** \times 100 = V_{DRM}/V_{RRM}$ )

Rated Current  $I_{T(AV)}/I_{F(AV)}$

C: Series  
K: Common Cathode  
A: Common Anode  
Y: Three Phase Common Cathode  
G: Three Phase Common Anode  
X: Anti-parallel  
Q: Single Phase Bridge  
S: Three Phase Bridge

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Product	Parameter symbol	参数名称	Parameter Name	
<b>Rectifier Diode</b>	$V_{RRM}$	反向重复峰值电压	Repetitive peak reverse voltage	
	$V_{FM}$	正向峰值电压	Peak forward voltage	
	$V_{F(AV)}$	正向平均电压	Mean forward voltage	
	$V_{FO}$	门槛电压	Threshold voltage	
	$I_{F(RSM)}$	正向方均根电流	Rms forward current	
	$I_{F(AV)}$	正向平均电流	Mean forward current	
	$I_{FMS}$	浪涌电流	Surge forward current	
	$I_{RRM}$	反向重复峰值电流	Repetitive peak reverse current	
	$I_{RR(AV)}$	反向重复平均电流	Repetitive mean reverse current	
	$I^2t$	$I^2t$	$I^2t$	
	$T_j$	工作结温	Operating junction temperature	
	$T_{stg}$	贮存温度	Storage temperature	
	$Q_{rr}$	恢复电荷	Recovery time	
	$t_{rr}$	反向恢复时间	Reverse recovery time	
	$R_{jc}$	结壳热阻	Thermal resistance junction-case	
	$r_{FO}$	正向斜率电阻	Forward slope resistance	
	<b>Phase Control Thyristor</b>	$I_{RRM}$	反向重复峰值电流	Repetitive peak reverse current
		$I_{RR(AV)}$	反向重复平均电流	Repetitive mean reverse current
$I_{GT}$		门极触发电流	Gate trigger current	
$I_H$		维持电流	Holding current	
$I_{GM}$		门极峰值电流	Peak gate current	
$I^2t$		$I^2t$	$I^2t$	
$P_{GM}$		门极峰值功率	Peak gate power	
$P_{G(AV)}$		门极平均功率	Mean gate power	
$T_j$		工作结温	Operating junction temperature	
$t_{gt}$		门极控制开通时间	Gate-controlled turn-on time	
$t_q$		电路换向关断时间	Circuit-commutated turn-off time	
$dv/dt$		断态电压临界上升率	Critical rate of rise of off-state voltage	
$r_{TO}$		通态斜率电阻	On-state slope resistance	
$T_{stg}$		贮存温度	Storage temperature	
$V_{RRM}$		反向重复峰值电压	Repetitive peak reverse voltage	
$V_{DRM}$		断态重复峰值电压	Repetitive peak off-state voltage	
$V_{RGM}$		门极反向峰值电压	Peak reverse gate voltage	
$V_{TM}$		通态峰值电压	Peak on-state voltage	
$V_{T(AV)}$		通态平均电压	Mean on-state voltage	
$V_{GT}$		门极触发电压	Gate trigger voltage	
$V_{GD}$		门极不触发电压	Gate non-trigger voltage	
$V_{TO}$		通态门槛电压	On-state threshold voltage	
$V_{GM}$		门极峰值电压	Peak gate voltage	
$V_{T(RMS)}$		通态方均根电压	R.M.S on-state voltage	
$I_{T(AV)}$		通态平均电流	Mean on-state current	
$I_{T(RMS)}$		通态方均根电流	R.M.S on-state current	
$I_{FGM}$	门极正向峰值电流	Forward gate current		
$I_{DRM}$	断态重复峰值电流	Repetitive peak off-state current		
$I_{DR(AV)}$	断态重复平均电流	Repetitive mean off-state current		
$I_{TSM}$	浪涌电流	Surge on-state current		