

Phase Control Thyristors

普通晶闸管

Feather

Design for high power industrial
and power transmission applications
Optimized for low on-state voltage
Match Q_{rr} and V_T available for series
or parallel connections



应用于大功率的各类工业生产和电器传动领域

很低的通态压降

通过选择合适的 Q_{rr} 和 V_T 进行器件匹配，可串联或

并联使用

Capsule

Part No.	$I_{T(AV)}$	V_{DRM}	I_{TSM}	$I^2 t$	V_{TO}	r_T	R_{thJC}	R_{thCH}	F	Outline
	$T_c=70^\circ C$	V_{RRM}	50Hz	50Hz T_{VJM}	T_{VJM}	T_{VJM}				
	A	V	A	$A^2 S \cdot 10^3$	V	m Ω				
Up to 1200V										
KP400/06-12	400	600-1200	6300	198	0.90	0.650	0.085	0.020	6	T6
KP600/06-12	600	600-1200	9200	423	0.93	0.600	0.045	0.010	9	T7
KP800/06-12	800	600-1200	11000	605	0.85	0.500	0.040	0.010	12	T9
KP1000/06-12	1000	600-1200	12500	781	0.83	0.350	0.035	0.008	16	T9
KP1800/06-12	1800	600-1200	27000	3645	0.85	0.180	0.020	0.006	25	T11
KP2000/06-12	2000	600-1200	31000	4805	0.83	0.150	0.018	0.006	32	T12
KP2600/06-12	2600	600-1200	45000	10125	0.85	0.130	0.013	0.005	45	T13
KP3800/06-12	3800	600-1200	62000	19220	0.80	0.050	0.011	0.003	55	T15
Up to 1800V										
KP300/12-18	300	1200-1800	5000	125	0.95	1.200	0.085	0.020	6	T6
KP600/12-18	600	1200-1800	8200	336	1.00	0.600	0.045	0.010	9	T7
KP800/12-18	800	1200-1800	14000	980	0.95	0.350	0.035	0.008	16	T9
KP1000/12-18	1000	1200-1800	17000	1445	0.93	0.300	0.030	0.008	20	T10
KP1500/12-18	1500	1200-1800	24600	3026	0.92	0.230	0.020	0.006	25	T11
KP1800/12-18	1800	1200-1800	27500	3781	0.90	0.200	0.018	0.006	32	T12
KP2500/12-18	2500	1200-1800	45000	10125	0.85	0.130	0.013	0.005	45	T13

Part No.	$I_{T(AV)}$	V_{DRM}	I_{TSM}	$I^2 t$	V_{TO}	r_T	R_{thJC}	R_{thCH}	F	Outline
	$T_c=70^\circ C$	V_{RRM}	50Hz	50Hz T_{VJM}	T_{VJM}	T_{VJM}				
	A	V	A	$A^2 S \cdot 10^3$	V	m Ω				
KP3000/12-18	3000	1200-1800	54000	14580	0.90	0.070	0.011	0.002	55	T15
KP4000/12-18	4000	1200-1800	60000	18000	0.88	0.070	0.009	0.002	70	T16
KP5000/12-18	5000	1200-1800	80000	32000	0.88	0.065	0.007	0.001	90	T17
Up to2500 V										
KP500/20-25	500	2000-2500	7500	281	0.95	1.100	0.045	0.010	9	T7
KP700/20-25	700	2000-2500	10000	500	1.00	0.720	0.035	0.008	16	T9
KP900/20-25	900	2000-2500	12800	819	0.95	0.500	0.030	0.008	20	T10
KP1300/20-25	1300	2000-2500	21000	2205	0.90	0.300	0.020	0.006	25	T11
KP1600/20-25	1600	2000-2500	25000	3125	0.95	0.260	0.018	0.006	32	T12
KP2000/20-25	2000	2000-2500	33000	5445	0.97	0.200	0.013	0.005	45	T13
KP2500/20-25	2500	2000-2500	41600	8653	0.90	0.150	0.011	0.002	55	T15
KP3200/20-25	3200	2000-2500	48000	11520	0.87	0.130	0.009	0.002	70	T16
KP4000/20-25	4000	2000-2500	74500	27751	1.00	0.100	0.007	0.001	90	T17
Up to3500 V										
KP400/25-35	400	2500-3500	6100	186	1.10	1.750	0.045	0.010	9	T7
KP600/30-35	600	3000-3500	8300	344	1.05	1.000	0.035	0.008	16	T9
KP700/25-30	700	2500-3000	10000	500	1.00	0.700	0.035	0.008	16	T9
KP800/25-35	800	2500-3500	11500	661	1.00	0.750	0.030	0.008	20	T10
KP1200/25-30	1200	2500-3000	22000	2420	0.95	0.400	0.020	0.006	25	T11
KP1000/30-35	1000	3000-3500	17000	1445	1.10	0.600	0.020	0.006	25	T11
KP1200/25-35	1200	3000-3500	19000	1805	1.10	0.500	0.018	0.006	32	T12
KP1800/25-30	1800	2500-3000	29000	4205	1.05	0.300	0.013	0.005	45	T13
KP1600/30-35	1600	3000-3500	28000	3920	1.05	0.400	0.013	0.005	45	T13
KP2200/25-35	2200	2500-3500	31000	4805	1.03	0.250	0.011	0.002	55	T15
KP3000/25-35	3000	2500-3500	40000	8000	0.85	0.180	0.009	0.002	70	T16
KP3500/25-35	3500	2500-3500	72000	25920	1.00	0.150	0.007	0.001	90	T17
Up to4500 V										
KP500/35-45	500	3500-4500	7000	245	1.20	1.600	0.035	0.008	16	T9
KP900/35-45	900	3500-4500	14500	1051	1.20	0.900	0.020	0.006	25	T11
KP1000/35-45	1000	3500-4500	15000	1125	1.18	0.800	0.018	0.005	32	T12
KP1500/35-45	1500	3500-4500	25000	3125	1.15	0.500	0.013	0.005	45	T13
KP1800/35-45	1800	3500-4500	25000	3125	1.15	0.350	0.012	0.004	50	T14
KP2000/35-45	2000	3500-4500	27000	3645	1.05	0.330	0.011	0.002	55	T15
KP2500/35-45	2500	3500-4500	32500	5281	1.25	0.230	0.009	0.002	70	T16
KP3000/35-45	3000	3500-4500	45000	10125	1.10	0.200	0.007	0.002	90	T17

Part No.	$I_{T(AV)}$	V_{DSM}	V_{DRM}	I_{TSM}	V_{TO}	r_T	R_{thJC}	R_{thCH}	F	Outline
	$T_c=70^\circ C$	V_{RSM}	V_{RRM}	50Hz T_{VJM}	T_{VJM}	T_{VJM}				
	A	V	V	A	V	mΩ				

Up to 5200 V

KP400/45-52	400	4500-5200	4200-4600	5400	1.30	1.900	0.045	0.008	16	T9
KP800/45-52	800	4500-5500	4200-4600	12000	1.15	1.000	0.022	0.006	25	T11
KP1200/45-52	1200	4500-5200	4200-4600	19000	1.15	0.600	0.015	0.005	32	T13
KP1500/45-52	1500	4500-5200	4200-4600	25000	1.20	0.550	0.011	0.002	55	T15
KP2200/45-52	2200	4500-5200	4200-4600	45000	1.10	0.350	0.009	0.002	70	T16
KP2800/45-52	2800	4500-5200	4200-4600	55000	1.05	0.250	0.007	0.002	90	T17

Up to 6500 V

KP300/55-65	350	5500-6500	4500-5600	4500	1.20	2.600	0.045	0.008	16	T9
KP700/55-65	750	5500-6500	4500-5600	11000	1.20	1.100	0.022	0.005	25	T11
KP1000/55-65	1100	5500-6500	4500-5600	14300	1.18	0.800	0.015	0.004	32	T13
KP1200/55-65	1200	5500-6500	4500-5600	22000	1.15	0.700	0.011	0.002	55	T15
KP1800/55-65	1800	5500-6500	4500-5600	31000	1.25	0.500	0.009	0.002	70	T16
KP2500/55-65	2500	5500-6500	4500-5600	43000	1.20	0.330	0.007	0.002	90	T17

$T_{VJM}=125^\circ C$ If need 35mm please note outline H code H : 35mm



