

Phase Control Thyristors

Feature

Amplifying gates
 International standard cases
 Hermetic metal cases with Ceramic insulators
 And glass metal cases for stud

Typical Applications

DC and AC motor control
 Controlled DC power supplies
 AC Controllers
 Controlled rectifiers
 Soft starters for induction motors

Stud Type

Part No.	$I_{T(AV)}$	V_{DRM} V_{RRM}	I_{DRM} I_{RRM}	I_{TSM} 50Hz	V_{GT}	I_{GT}	V_{TM}	I_{TM}	dv/dt	R_{thjc}	Outline
	(A)	(V)	(mA)	(A)	(V)	(mA)	(V)	(A)	(V/ μ s)	($^{\circ}$ C/W)	
KP10/2000	10	2000	10	200	2/60		2.4	30	500	0.8	T1
KP20/1200	20	1200	10	400	2.5/100		1.8	60		0.35	T2
KP50/2000	50	2000	20	1000	3/150	2.0	150	0.2		T3	
KP100/2000	100	2000	30	1800		2.0	300	1000	0.12	T4	
KP100/3000	100	3000	40	1800		2.6	300		500	T5	
KP200/2000	200	2000	30	3600	3/200	1.8	600	1000	500	0.1	T5
KP200/3000	200	3000	50	3600		2.6	1500	500			
KP300/2000	300	2000	40	5400		1.8	1500	500			
KP350/1600	350	1600	40	6300		1.5	1500				

Notes: 1、 $T_c=75^{\circ}$ C
 2、 $T_j=125^{\circ}$ C

Capsule Type

Part No.	$I_{T(AV)}$	V_{DRM} V_{RRM}	I_{DRM} I_{RRM}	I_{TSM} 50Hz	V_{GT}	I_{GT}	V_{TM}	I_{TM}	dv/dt	R_{thjc}	Outline
	(A)	(V)	(mA)	(KA)	(V)	(mA)	(V)	(A)	(V/ μ s)	($^{\circ}$ C/W)	
KP200/3500	200	3500	40	3	3/150		2.8/600	1000	500	0.08	T6
KP300/1800	300	1800	30	4.5		2.0/900	500				
KP500/600	500	600	20	6		1.4/1500	500				
KP300/3500	300	3500	40	4.5	3/200		2.8/900	1000	500	0.045	T7
KP400/2600	400	2600	40	6		2.4/1200					
KP500/1800	500	1800	30	7.5		2.0/1500					
KP800/600	800	600	20	12.5			1.5/2000				
KP200/6000	200	6000	120	3	3/200		3.8/600	1000	0.035	T9	
KP300/4600	300	4600	100	4.5		3.2/900					

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Part No.	$I_{T(AV)}$	V_{DRM} V_{RRM}	I_{DRM} I_{RRM}	I_{TSM} 50Hz	V_{GT}	I_{GT}	V_{TM}	I_{TM}	dv/dt	R_{thjc}	Outline
	(A)	(V)	(mA)	(KA)	(V)	(mA)	(V)	(A)	(V/ μ s)	($^{\circ}$ C/W)	
KP400/3500	400	3500	80	6	3/200		2.6/1200	1000	0.035	T9	
KP500/2600	500	2600	60	7.5			2.2/1500				
KP800/1800	800	1800	50	12			1.8/2000	500			
KP1000/600	1000	600	40	21			1.5/3000				
KP800/3500	800	3500	120	12	3/200		2.8/2000	1000	0.031	T10	
KP1000/1800	1000	1800	100	18			2.0/3000	500			
KP1200/600	1200	600	80	24			1.5/3000				
KP500/6000	500	6000	200	8	3/200		4.0/1500	1000	0.022	T11	
KP800/4600	800	4600	150	10			3.2/2000				
KP1000/3500	1000	3500	120	18			2.6/3000				500
KP1200/1800	1200	1800	100	28			2.2/3000				
KP1500/600	1500	600	80	36			1.5/6000				
KP1200/3500	1200	3500	200	20	3.5/250		2.8/3000	1000	0.018	T12	
KP1500/2600	1500	2600	150	27			2.4/3000				
KP1800/1800	1800	1800	120	33			2.0/3000	500			
KP2000/600	2000	600	100	40			1.4/6000				
KP1000/6000	1000	6000	250	15	3.5/250		4.2/3000	1000	0.015	T13	
KP1200/4600	1200	4600	200	20			3.0/3000				
KP1500/3500	1500	3500	180	25			2.4/3000				500
KP1800/2600	1800	2600	150	30			2.2/6000				
KP2000/1800	2000	1800	120	36			1.8/6000				
KP2500/600	2500	600	100	50			1.4/6000				
KP1500/6000	1500	6000	300	25	4/300		3.6/3000	1000	0.011	T14	
KP1800/4600	1800	4600	280	30			3.0/6000				
KP2000/3500	2000	3500	250	36			2.4/6000	500			
KP2500/2600	2500	2600	200	45			2.0/6000				
KP3000/1800	3000	1800	180	54	4/300		2.0/9000	1000	0.011	T14	
KP3500/600	3500	600	150	65			1.4/9000				
KP2000/6000	2000	6000	350	30	4/400		3.8/6000	1000	0.008	T15	
KP3000/3200	3000	3200	300	45			2.4/9000				
KP4000/2000	4000	2000	250	60			2.0/9000				500
KP5000/600	5000	600	200	90			1.5/9000				
KP2500/6000	2500	6000	400	35			4.0/9000	1000			
KP4000/3200	4000	3200	350	60			2.2/9000				
KP5000/2000	5000	2000	300	80			1.8/9000				
KP6000/600	6000	600	250	100			1.4/9000				

Notes: 1、 $T_c=75^{\circ}$ C
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