

Phase control thyristor SCR

Features

- Improved glass passivation for high reliability
- and exceptional stability at high temperature
- High di/dt and dv/dt capabilities
- Standard package
- Low thermal resistance
- Metric threads version available
- Types up to 1200V V_{DRM}/ V_{RRM}
- RoHS Compliant

Applications

- Medium power switching
- Phase control applications
- Can be supplied to meet stringent military, aerospace and other high-reliability requirements

Technical parameter

Part Number	I _{T(VA)} (A)	V _{RRM} / V _{DRM} (V)	I _{RMS} (A)	@ T _C (°C)	I _{TSM}		V _{GT} (V)	I _{GT} (A)	V _{TM} (V)	@ I _{TM} (A)	dv/dt (V/μs)	R _{θJC(DC)} (°C/W)	Outline
					50Hz (A)	60Hz (A)							Fig
KP10A	10	100~1200	25	85	190	200	2	60	1.75	32	300	1.85	6 (TO-48)
KP16A	16	25~1200	25	65	145	150	2	40	2		250	1.5	6 (TO-48)
KP25A	25	100~1200	40	85	350	370	2	60	1.7	79	300	0.75	6 (TO-48)
KP50A	50	100~1200	80	94	1200	1255	2.5	100	1.6	157	500	0.35	7 (TO-65)
KP70A	70	1200~1600	75	82	1400	1200	1.5	100	1.4	100	500	0.27	
KP80A	80	400~1200	125	85	1600	1675	2.5	120	1.4	250	500	0.3	9 (TO-94)
KP110A	110	400~1600	172	90	1750	1830	2	100	1.5	350	500	0.27	9 (TO-94C)
KP180A	180	400~1000	285	80	3500	3660	2.5	150	1.35	570	500	0.15	8 (TO-93)
KP200A	200	400~2000	314	85	4200	4400	3	150	1.75	570	500	0.105	8 (TO-93)
KP230A	230	400~1600	361	85	4800	5000	3	150	1.55	720	500	0.1	8 (TO-93)
KP280A	280	400~600	440	85	6600	6900	3	150	1.28	880	500	0.105	8 (TO-93)
KP330A	330	400~1600	520	75	7570	7920	3	200	1.51	1040	500	0.1	10 (TO-118)

