

Features

- Vacuum closed tube gallium aluminum diffusion process
- Field gate structure
- Excellent dynamic characteristic
- Big current density
- Disc ceramic cold-press encapsulation
- $T_{jmi} = -40^{\circ}\text{C}$ The minimum allowed working temperature
- Double cooling & series-parallel
- $T_{jmi} = -125^{\circ}\text{C}$ Maximum junction temperature



Type	IT(AV)	V _{DRM} /V _{RRM}	ITSM	VTM		V _{TO}	RF	R _{thjC}	R _{thjCH}	T _{jm}	F±10%	外形 Outline
	@T _C =70℃		10ms	@VTM & T _C =25℃			T _{jm}					
	A	V	kV	V	A	V	μΩ	K/W	K/W	℃	KN	
KP250A	250	1400-1800	5	1.62	600	0.93	1.15	0.008	0.02	125	5	
KP300A	300	1800-2400	5	1.69	600	0.92	1.29	0.008	0.000	125	5	
KP300A	300	2400-3000	5.5	1.79	600	0.98	1.35	0.045	0.014	125	7	
KP300A	300	6800-7500	4.5	2.70	500	1.45	2.50	0.035	0.08	125	15	
KP350A	350	700-1600	6.3	1.36	600	0.85	0.64	0.080	0.020	125	5	
KP360A	360	1400-1800	7	1.65	900	0.90	0.77	0.045	0.014	125	7	
KP400A	400	1800-2400	7	1.87	900	0.94	1.036	0.045	0.014	125	7	
KP400A	400	4400-5200	6	2.80	1000	1.20	1.60	0.030	0.008	125	15	
KP440A	440	5400-6500	4.5	2.25	500	1.20	2.10	0.030	0.008	125	15	
KP470A	470	200-600	8	1.16	600	0.75	0.36	0.08	0.020	125	5	
KP480A	480	1200-1600	8	1.45	600	0.96	0.59	0.045	0.0140	125	7	
KP500A	500	1800-2400	9.5	2.21	1500	0.92	0.86	0.040	0.0105	125	11	
KP500A	500	2400-3000	7.6	1.85	900	0.99	0.95	0.040	0.0105	125	11	
KP500A	500	2800-3600	8.5	1.88	1000	1.03	0.85	0.030	0.008	125	15	
KP540A	540	3400-4200	7	2.36	1000	1.00	1.36	0.030	0.008	125	15	
KP540A	540	800-1400	9.5	1.38	900	0.82	0.48	0.045	0.0140	125	7	
KP600A	600	1400-1800	9	1.70	1500	0.88	0.52	0.040	0.0105	125	11	
KP600A	600	2400-3000	10	2.08	1500	1.06	0.68	0.030	0.080	125	15	
KP600A	600	6800-7500	12.1	2.90	1000	1.35	1.55	0.022	0.050	125	24	
KP700A	700	1200-1600	13	1.49	900	0.99	0.40	0.040	0.0105	125	11	
KP700A	700	6800-7500	15	2.73	1000	1.40	1.33	0.019	0.0045	125	30	
KP760A	760	200-600	12	1.23	900	0.73	0.33	0.050	0.0140	125	7	
KP770A	770	1800-2400	12.6	1.87	1500	0.92	0.63	0.030	0.008	125	15	
KP800A	800	5400-6500	11.5	2.26	1000	1.24	1.015	0.020	0.005	125	24	

Type	IT(AV)	VDRM/VRRM	ITSM	VTM		VTO	RF	RthJC	RthjCH	Tj	F±10%	外形 Outline
	@Tc55℃		10ms	@VTM	&Tc=25℃		Tj			m		
	A	V	kV	V	A	V	m Ω	K/W	K/W	℃	KN	
KP800A	800	1400-1800	14	1.60	1500	0.91	0.36	0.030	0.0080	125	30	
KP850A	850	2400-3000	13.8	2.17	2400	0.97	0.50	0.024	0.0060	125	30	
KP900A	900	3400-4200	14.5	2.10	2000	0.95	0.575	0.020	0.0050	125	35	
KP900A	900	4400-5200	14.5	1.95	1000	1.17	0.780	0.020	0.0050	125	35	
KP930A	930	4400-5200	16	2.37	2000	1.03	0.620	0.018	0.0045	125	35	
KP940A	940	800-1400	16	1.41	1500	0.85	0.290	0.030	0.0080	125	35	
KP1000A	1000	1200-1600	17.5	1.52	1500	0.93	0.302	0.030	0.0080	125	35	
KP1000A	1000	1800-2400	17	1.97	2400	0.94	0.430	0.024	0.0060	125	35	
KP1000A	1000	2800-3600	17	2.14	2000	1.08	0.53	0.020	0.0050	125	50	
KP1000A	1000	1400-1800	18	1.71	2400	0.93	0.260	0.024	0.0060	125	50	
KP1100A	1100	3400-4200	16.5	1.96	2000	1.10	0.430	0.018	0.0045	125	45	
KP1100A	1100	4400-5200	1.98	2.11	2000	1.09	0.510	0.016	0.0040	125	45	
KP1200A	1200	2800-3600	1.92	1.76	2000	1.06	0.350	0.018	0.0045	125	45	
KP1200A	1200	5400-6500	19	2.33	1500	1.20	0.750	0.013	0.0035	125	45	
KP1200A	1200	6800-7500	24.5	2.55	1500	1.35	0.800	0.011	0.0030	125	50	
KP1200A	1200	800-1400	20.5	1.43	2400	0.82	0.200	0.024	0.0060	125	50	
KP1200A	1200	1200-1600	21.6	1.50	2400	0.91	0.220	0.024	0.0060	125	45	
KP1250A	1250	1800-2400	21.5	1.80	3000	0.93	0.290	0.020	0.0050	125	45	
KP1300A	1300	2400-3000	21	2.13	3000	1.02	0.370	0.020	0.0050	125	50	
KP1300A	1300	3400-4200	19.3	1.76	2000	1.08	0.340	0.016	0.0040	125	50	
KP1300A	1300	4400-5200	23.5	1.80	3000	0.99	0.270	0.018	0.0045	125	50	
KP1300A	1300	2400-3000	23	2.13	1500	1.18	0.632	0.011	0.0030	125	50	
KP1300A	1300	5400-6500	22	2.08	2000	1.18	0.450	0.013	0.0035	125	50	
KP1400A	1400	200-600	18	1.80	1500	1.20	0.750	0.013	0.0040	125	50	
KP1400A	1400	1400-1800	25	1.80	3000	0.93	0.290	0.020	0.0050	125	45	
KP1400A	1400	1800-2400	23	2.13	3000	1.02	0.370	0.020	0.0050	125	50	
KP1500A	1500	3400-4200	23	1.76	2000	1.08	0.340	0.016	0.0040	125	50	
KP1500A	1500	1200-1600	24.5	1.80	3000	0.99	0.270	0.018	0.0035	125	50	
KP1600A	1600	4400-5200	26.5	2.13	1500	1.18	0.632	0.011	0.0030	125	50	
KP1600A	1600	800-1400	26	2.08	2000	1.18	0.450	0.013	0.0045	125	50	
KP1700A	1700	1400-1800	28	2.13	2000	0.99	0.270	0.018	0.0040	125	50	
KP1700A	1700	2400-3000	28.9	1.76	3000	1.18	0.632	0.011	0.0035	125	50	

Type	IT(AV)	VDRM/VRRM	ITSM	VTM		VTO	RF		RthJC	RthjCH	Tjm	F±10%	外形 Outline
	@Tc55℃		10ms	@VTM & Tc=25℃		Tjm							
	A	V	kV	V	A	V	μ Ω	K/W	K/W	℃	KN		
KP1700A	1700	1400-1800	14	1.60	1500	0.91	0.36	0.030	0.0080	125	30		
KP1700A	1700	2400-3000	13.8	2.17	2400	0.97	0.50	0.024	0.0060	125	30		
KP1700A	1700	3400-4200	14.5	2.10	2000	0.95	0.575	0.020	0.0050	125	35		
KP1700A	1700	4400-5200	14.5	1.95	1000	1.17	0.780	0.020	0.0050	125	35		
KP1800A	1800	4400-5200	16	2.37	2000	1.03	0.620	0.018	0.0045	125	35		
KP1800A	1800	800-1400	16	1.41	1500	0.85	0.290	0.030	0.0080	125	35		
KP1800A	1800	1200-1600	17.5	1.52	1500	0.93	0.302	0.030	0.0080	125	35		
KP1900A	1900	1800-2400	17	1.97	2400	0.94	0.430	0.024	0.0060	125	35		
KP1900A	1900	2800-3600	17	2.14	2000	1.08	0.53	0.020	0.0050	125	50		
KP1900A	1900	1400-1800	18	1.71	2400	0.93	0.260	0.024	0.0060	125	50		
KP1900A	1900	3400-4200	16.5	1.96	2000	1.10	0.430	0.018	0.0045	125	45		
KP2100A	2100	4400-5200	1.98	2.11	2000	1.09	0.510	0.016	0.0040	125	45		
KP2100A	2100	2800-3600	1.92	1.76	2000	1.06	0.350	0.018	0.0045	125	45		
KP2100A	2100	5400-6500	19	2.33	1500	1.20	0.750	0.013	0.0035	125	45		
KP2100A	2100	6800-7500	24.5	2.55	1500	1.35	0.800	0.011	0.0030	125	50		
KP2100A	2100	800-1400	20.5	1.43	2400	0.82	0.200	0.024	0.0060	125	50		
KP2100A	2100	1200-1600	21.6	1.50	2400	0.91	0.220	0.024	0.0060	125	45		
KP2200A	2200	1800-2400	21.5	1.80	3000	0.93	0.290	0.020	0.0050	125	45		
KP2200A	2200	2400-3000	21	2.13	3000	1.02	0.370	0.020	0.0050	125	50		
KP2200A	2200	3400-4200	19.3	1.76	2000	1.08	0.340	0.016	0.0040	125	50		
KP2300A	2300	4400-5200	23.5	1.80	3000	0.99	0.270	0.018	0.0045	125	50		
KP2400A	2400	2400-3000	23	2.13	1500	1.18	0.632	0.011	0.0030	125	50		
KP2400A	2400	5400-6500	22	2.08	2000	1.18	0.450	0.013	0.0035	125	50		
KP2500A	2500	200-600	18	1.80	1500	1.20	0.750	0.013	0.0040	125	50		
KP2700A	2700	1400-1800	25	1.80	3000	0.93	0.290	0.020	0.0050	125	45		
KP2700A	2700	1800-2400	23	2.13	3000	1.02	0.370	0.020	0.0050	125	50		
KP2700A	2700	3400-4200	23	1.76	2000	1.08	0.340	0.016	0.0040	125	50		
KP2700A	2700	1200-1600	24.5	1.80	3000	0.99	0.270	0.018	0.0035	125	50		
KP2700A	2700	4400-5200	26.5	2.13	1500	1.18	0.632	0.011	0.0030	125	50		
KP2800A	2800	800-1400	26	2.08	2000	1.18	0.450	0.013	0.0045	125	50		
KP2900A	2900	1400-1800	28	2.13	2000	0.99	0.270	0.018	0.0040	125	50		
KP3000A	3000	2400-3000	28.9	1.76	3000	1.18	0.632	0.011	0.0035	125	50		

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	@T _C =70℃		10ms	@VTM	& T _C =25℃		Tjm					
	A	V	kV	V	A	V	μΩ	K/W	K/W	℃	KN	
KP3100A	3100	1400-1800	14	1.60	1500	0.91	0.36	0.030	0.0080	125	30	
KP3200A	320	2400-3000	13.8	2.17	2400	0.97	0.50	0.024	0.0060	125	30	
KP3200A	3200	3400-4200	14.5	2.10	2000	0.95	0.575	0.020	0.0050	125	35	
KP3300A	3300	4400-5200	14.5	1.95	1000	1.17	0.780	0.020	0.0050	125	35	
KP3600A	3600	4400-5200	16	2.37	2000	1.03	0.620	0.018	0.0045	125	35	
KP3700A	3700	800-1400	16	1.41	1500	0.85	0.290	0.030	0.0080	125	35	
KP3800A	3800	1200-1600	17.5	1.52	1500	0.93	0.302	0.030	0.0080	125	35	
KP3900A	3900	1800-2400	17	1.97	2400	0.94	0.430	0.024	0.0060	125	35	
KP4000A	4000	2800-3600	17	2.14	2000	1.08	0.53	0.020	0.0050	125	50	
KP4100A	4100	1400-1800	18	1.71	2400	0.93	0.260	0.024	0.0060	125	50	
KP4300A	4300	3400-4200	16.5	1.96	2000	1.10	0.430	0.018	0.0045	125	45	
KP4400A	4400	4400-5200	1.98	2.11	2000	1.09	0.510	0.016	0.0040	125	45	
KP4600A	4600	2800-3600	1.92	1.76	2000	1.06	0.350	0.018	0.0045	125	45	
KP4600A	4600	5400-6500	19	2.33	1500	1.20	0.750	0.013	0.0035	125	45	
KP4900A	4900	6800-7500	24.5	2.55	1500	1.35	0.800	0.011	0.0030	125	50	
KP5400A	5400	800-1400	20.5	1.43	2400	0.82	0.200	0.024	0.0060	125	50	
KP5600A	5600	1200-1600	21.6	1.50	2400	0.91	0.220	0.024	0.0060	125	45	