



Power MOSFETs

Power MOSFET

F-I series

High speed switching

Device type	V _{DSS} Volts	I _D Amps.	I _D (pulse) Amps.	R _{DS} (on) Max. * ¹ Ohms	P _D * ² Watts	V _{GSS} Volts	V _{GS} (th) Typ. Volts	Package	Net mass Grams
2SK905	50	45	180	0.03	125	±20	3.0	TO-3P	5.5
2SK2494-01	60	45	180	0.025	80	±30	3.0	TO-220AB	2.0
2SK906	100	32	128	0.06	125	±20	3.0	TO-3P	5.5
2SK2000-R	100	32	128	0.06	80	±20	3.0	TO-3PF	6.0
2SK2753-01	120	50	200	0.032	150	±30	3.0	TO-3P	5.5
2SK947-MR	250	12	48	0.3	40	±20	3.0	TO-220F15	2.3
2SK900	250	12	48	0.3	80	±20	3.0	TO-220AB	2.0
2SK901	250	20	80	0.15	125	±20	3.0	TO-3P	5.5
2SK1549-R	250	20	80	0.15	80	±20	3.0	TO-3PF	6.0
2SK902	250	30	120	0.1	150	±20	3.0	TO-3P	5.5
2SK949-MR	500	6	24	1.2	40	±20	3.0	TO-220F15	2.3
2SK950	500	6	24	1.2	80	±20	3.0	TO-220AB	2.0
2SK724	500	10	40	0.67	100	±20	3.0	TO-3P	5.5
2SK899	500	18	72	0.33	125	±20	3.0	TO-3P	5.5
2SK897-MR	550	4	16	1.5	40	±20	3.0	TO-220F15	2.3
2SK1553-01MR	650	5	15	2.5	40	±20	3.0	TO-220F15	2.3
2SK960-MR	900	3	12	5.0	40	±20	3.0	TO-220F15	2.3
2SK961	900	3	12	5.0	80	±20	3.0	TO-220AB	2.0

*¹ R_{DS} (on): V_{GS}=10V, *² P_D: T_C=25°C

F-II / FAP-II series

High speed switching / Avalanche rated

Device type	V _{DSS} Volts	I _D Amps.	I _D (pulse) Amps.	R _{DS} (on) Max. * ¹ Ohms	P _D * ² Watts	V _{GSS} Volts	V _{GS} (th) Typ. Volts	Package	Net mass Grams
2SK2519-01	200	10	40	0.4	40	±30	3.5	TO-220AB	2.0
2SK2520-01MR	200	10	40	0.4	30	±30	3.5	TO-220F15	2.3
2SK2521-01	200	18	72	0.18	50	±30	3.5	TO-220AB	2.0
2SK2522-01MR	200	18	72	0.18	40	±30	3.5	TO-220F15	2.3
2SK2849-01L, S	200	18	72	0.18	50	±30	3.5	T-pack	1.6
2SK1221	250	10	28	0.4	80	±30	3.5	TO-220AB	2.0
2SK2051-L, S	250	10	28	0.4	80	±30	3.5	T-pack	1.6
2SK1917-MR	250	10	28	0.4	50	±30	3.5	TO-220F15	2.3
2SK2469-01MR	300	5	20	1.0	30	±30	4.0	TO-220F15	2.3
2SK2470-01MR	300	10	40	0.53	40	±30	4.0	TO-220F15	2.3
2SK2471-01	300	10	40	0.53	80	±30	4.0	TO-3P	5.5
2SK2473-01	300	20	80	0.2	125	±30	4.0	TO-3P	5.5
2SK1006-01MR	450	5	14	1.6	40	±30	3.5	TO-220F15	2.3
2SK1007-01	450	5	14	1.6	60	±30	3.5	TO-220AB	2.0
2SK2523-01	450	9	36	1.0	50	±30	3.5	TO-220AB	2.0
2SK2524-01MR	450	9	36	1.0	40	±30	3.5	TO-220F15	2.3
2SK2525-01	450	9	36	1.0	80	±30	3.5	TO-3P	5.5
2SK3275-01L, S	450	10	35	0.65	80	±30	3.5	T-pack	1.6
2SK1013-01	450	13	39	0.6	125	±30	3.5	TO-3P	5.5
2SK1017	450	20	55	0.35	150	±30	3.5	TO-3P	5.5
2SK1019	450	35	100	0.2	300	±30	3.5	TO-3PL	9.5

*¹ R_{DS} (on): V_{GS}=10V, *² P_D: T_C=25°C

Letter symbols

V_{DSS}: Drain-source voltage

I_D: Continuous drain current

I_D(pulse): Pulsed drain current

R_{DS}(on): Drain-source on-state resistance

P_D: Maximum power dissipation

V_{GSS}: Gate-source peak voltage

V_{GS}(th): Gate threshold voltage



■ Power MOSFET

F-II / FAP-II series (Continued)

Device type	V _{bss}	I _D	I _D (pulse)	R _{DS} (on) Max. ^{*1}	P _D ^{*2}	V _{GSS}	V _{GS} (th) Typ. Volts	Package	Net mass Grams
	Volts	Amps.	Amps.	Ohms	Watts	Volts			
2SK1008-01	500	4.5	12	2.2	60	±30	3.5	TO-220AB	2.0
2SK1014-01	500	12	36	0.74	125	±30	3.5	TO-3P	5.5
2SK1020	500	30	92	0.25	300	±30	3.5	TO-3PL	9.5
2SK2695-01	700	5	20	1.85	60	±30	3.5	TO-220AB	2.0
2SK2696-01MR	700	5	20	1.85	50	±30	3.5	TO-220F15	2.3
2SK951-MR	800	2.5	7	7.0	40	±30	3.5	TO-220F15	2.3
2SK952	800	2.5	7	7.0	45	±30	3.5	TO-220AB	2.0
2SK1552-01L, S	800	4	10	4.5	60	±30	3.5	T-pack	1.6
2SK2397-01MR	800	5	20	2.3	50	±30	3.5	TO-220F15	2.3
2SK957-MR	900	2	6	8.5	40	±30	3.5	TO-220F15	2.3
2SK2526-01	900	5	20	3.6	60	±30	3.5	TO-220AB	2.0
2SK2527-01MR	900	5	20	3.6	40	±30	3.5	TO-220F15	2.3
2SK2528-01	900	5	20	3.6	80	±30	3.5	TO-3P	5.5

^{*1} R_{DS} (on): V_{GS}=10V, ^{*2} P_D: T_C=25°C