



Power MOSFETs

Power MOSFET

FAP-IIA series

Low-on resistance and low typical capacitance

Device type	V _{DS}	I _D	I _D (pulse)	R _{DS} (on) Max. * ¹	P _D * ²	V _{GS}	V _{GS} (th) Typ. Volts	Package	Net mass Grams
	Volts	Amps.	Amps.	Ohms	Watts	Volts			
2SK2518-01MR	200	20	80	0.13	50	±30	3.0	TO-220F15	2.3
2SK2918-01MR	200	20	80	0.13	80	±30	3.0	TO-220AB	2.0
2SK2774-01MR	250	2	8	2.0	20	±30	3.0	TO-220F15	2.3
2SK2251-01	250	2	8	2.0	20	±30	3.0	TO-220AB	2.0
2SK2250-01L, S	250	2	8	2.0	10	±30	3.0	K-pack	0.6
2SK2292-01L, S	250	4	16	1.1	20	±30	3.0	K-pack	0.6
2SK2099-01L, S	250	6	24	0.85	20	±30	3.0	K-pack	0.6
2SK2252-01L, S	250	8	32	0.5	50	±30	3.0	T-pack	1.6
2SK2253-01MR	250	8	32	0.5	40	±30	3.0	TO-220F15	2.3
2SK2254-01L, S	250	18	72	0.18	80	±30	3.0	T-pack	1.6
2SK2256-01	250	18	72	0.18	80	±30	3.0	TO-220AB	2.0
2SK2255-01MR	250	18	72	0.18	50	±30	3.0	TO-220F15	2.3
2SK2019-01	500	3.5	14	3.0	40	±30	3.0	TO-220AB	2.0
2SK2020-01MR	500	3.5	14	3.0	30	±30	3.0	TO-220F15	2.3
2SK2021-01	500	5	20	1.6	60	±30	3.0	TO-220AB	2.0
2SK2022-01MR	500	5	20	1.6	40	±30	3.0	TO-220F15	2.3
2SK1981-01	500	10	40	0.76	80	±30	3.0	TO-220AB	2.0
2SK1982-01MR	500	10	40	0.76	50	±30	3.0	TO-220F15	2.3
2SK1936-01	500	10	40	0.76	100	±30	3.0	TO-3P	5.5
2SK2213-01L, S	500	10	40	0.76	80	±30	3.0	T-pack	1.6
2SK2223-01R	500	10	40	0.76	80	±30	3.0	TO-3PF	6.0
2SK2081-01	500	12	48	0.6	125	±30	3.0	TO-3P	5.5
2SK1937-01	500	15	60	0.48	125	±30	3.0	TO-3P	5.5
2SK2209-01R	500	15	60	0.48	80	±30	3.0	TO-3PF	6.0
2SK2257-01	500	17	68	0.4	150	±30	3.0	TO-3P	5.5
2SK1938-01R	500	18	72	0.35	100	±30	3.0	TO-3PF	6.0
2SK1821-01M	600	2	6	6.5	30	±25	3.0	TO-220F15	2.3
2SK2071-01L, S	600	2	6	6.5	20	±30	3.0	K-pack	0.6
2SK2023-01	600	3	12	4.5	40	±30	3.0	TO-220AB	2.0
2SK2002-01MR	600	3	12	4.5	30	±30	3.0	TO-220F15	2.3
2SK2025-01	600	4	16	2.4	60	±30	3.0	TO-220AB	2.0
2SK2003-01MR	600	4	16	2.4	40	±30	3.0	TO-220F15	2.3
2SK2027-01	600	8	32	1.2	80	±30	3.0	TO-220AB	2.0
2SK2215-01L, S	600	8	32	1.2	80	±30	3.0	T-pack	1.6
2SK2028-01MR	600	8	32	1.2	50	±30	3.0	TO-220F15	2.3
2SK1939-01	600	8	32	1.2	100	±30	3.0	TO-3P	5.5
2SK1940-01	600	12	48	0.75	125	±30	3.0	TO-3P	5.5
2SK2148-01R	600	12	48	0.75	80	±30	3.0	TO-3PF	6.0
2SK1941-01R	600	16	64	0.55	100	±30	3.0	TO-3PF	6.0
2SK2100-01MR	800	4	16	3.3	40	±30	3.0	TO-220F15	2.3
2SK2072-01L, S	800	6	24	2.1	80	±30	3.0	T-pack	1.6
2SK2101-01MR	800	6	24	2.1	50	±30	3.0	TO-220F15	2.3
2SK3303-01	800	6	24	2.1	80	±30	3.0	TO-220AB	2.0

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

Power MOSFET

FAP-IIA series (Continued)

Device type	V _{DSS}	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	Volts		
2SK1983-01	900	3	12	4.0	60	±30	3.0	TO-220AB	2.0
2SK2029-01L, S	900	3	12	4.0	60	±30	3.0	T-pack	1.6
2SK1984-01MR	900	3	12	4.0	40	±30	3.0	TO-220F15	2.3
2SK1942-01	900	3	12	4.0	80	±30	3.0	TO-3P	5.5
2SK2224-01R	900	3	12	4.0	50	±30	3.0	TO-3PF	6.0
2SK1945-01L, S	900	5	20	2.8	80	±30	3.0	T-pack	1.6
2SK1943-01	900	5	20	2.8	80	±30	3.0	TO-220AB	2.0
2SK1985-01MR	900	5	20	2.8	50	±30	3.0	TO-220F15	2.3
2SK1944-01	900	5	20	2.8	100	±30	3.0	TO-3P	5.5
2SK2272-01R	900	5	20	2.8	100	±30	3.0	TO-3PF	6.0
2SK2082-01	900	9	36	1.4	150	±30	3.0	TO-3P	5.5
2SK2771-01R	900	9	36	1.4	125	±30	3.0	TO-3PF	6.0
2SK1986-01	1000	4	16	3.6	80	±30	3.0	TO-220AB	2.0
2SK2258-01	1000	4	16	3.6	100	±30	3.0	TO-3P	5.5
2SK2004-01L, S	1000	4	16	3.6	80	±30	3.0	T-pack	1.6

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

FAP-IIS series

Repetitive avalanche rated

Device type	V _{DSS}	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	Volts		
2SK3340-01	400	23	92	0.2	295	±30	3.0	TO-247	5.5
2SK2870-01L, S	450	8	32	1.2	50	±35	4.0	T-pack	1.6
2SK2871-01	450	8	32	1.2	50	±35	4.0	TO-220AB	2.0
2SK2872-01MR	450	8	32	1.2	30	±35	4.0	TO-220F15	2.3
2SK2873-01	450	8	32	1.2	60	±35	4.0	TO-3P	5.5
2SK2638-01MR	450	10	40	0.65	50	±35	4.0	TO-220F15	2.3
2SK2639-01	450	10	40	0.65	100	±35	4.0	TO-3P	5.5
2SK2754-01L, S	450	10	40	0.65	80	±35	4.0	T-pack	1.6
2SK2755-01	450	18	72	0.45	125	±35	4.0	TO-3P	5.5
2SK2756-01R	450	18	72	0.45	80	±35	4.0	TO-3PF	6.0
2SK2874-01L, S	500	6	24	1.5	50	±35	4.0	T-pack	1.6
2SK2875-01	500	6	24	1.5	50	±35	4.0	TO-220AB	2.0
2SK2876-01MR	500	6	24	1.5	30	±35	4.0	TO-220F15	2.3
2SK2877-01	500	6	24	1.5	60	±35	4.0	TO-3P	5.5
2SK2640-01MR	500	10	40	0.9	50	±35	4.0	TO-220F15	2.3
2SK2641-01	500	10	40	0.9	100	±35	4.0	TO-3P	5.5
2SK2757-01	500	10	40	0.9	80	±35	4.0	TO-220AB	2.0
2SK2758-01L, S	500	10	40	0.9	80	±35	4.0	T-pack	1.6
2SK2642-01MR	500	15	60	0.55	80	±35	4.0	TO-220F15	2.3
2SK2643-01	500	15	60	0.55	125	±35	4.0	TO-3P	5.5
2SK2759-01R	500	15	60	0.55	80	±35	4.0	TO-3PF	6.0
2SK2644-01	500	18	72	0.45	125	±35	4.0	TO-3P	5.5
2SK2879-01	500	20	80	0.38	150	±30	3.0	TO-3P	5.5
2SK3338-01	500	20	80	0.27	340	±30	3.0	TO-247	5.5
2SK3339-01	500	27	108	0.2	400	±30	3.0	TO-247	5.5

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