



パワー-MOSFET / Power MOSFETs

■ パワー-MOSFET Power MOSFET

Super FAP-Gシリーズ Super FAP-G series

低オン抵抗、低ゲート容量 Low-on resistance and low gate charge

形式 Device type	V _{DSS} Volts	I _D Amps.	I _D (pulse) Amps.	R _{DS (on)} Max. *1 Ohms (Ω)	P _D *2 Watts	V _{GSS} Volts	V _{GS} (th) Typ. Volts	Q _g nC	パッケージ Package	質量 Net mass Grams
2SK3598-01	100	29	116	0.062	105	±30	3 to 5	22	TO-220AB	2.0
2SK3599-01MR	100	29	116	0.062	37	±30	3 to 5	22	TO-220F	2.0
2SK3600-01L, S	100	29	116	0.062	105	±30	3 to 5	22	T-pack	1.6
2SK3601-01	100	29	116	0.062	105	±30	3 to 5	22	TFP	0.8
2SK3644-01	100	41	164	0.044	150	±30	3 to 5	32	TO-220AB	2.0
2SK3645-01MR	100	41	164	0.044	53	±30	3 to 5	32	TO-220F	2.0
2SK3646-01L, S	100	41	164	0.044	150	±30	3 to 5	32	T-pack	1.6
2SK3647-01	100	41	164	0.044	150	±30	3 to 5	32	TFP	0.8
2SK3586-01	100	73	292	0.025	270	±30	3 to 5	52	TO-220AB	2.0
2SK3587-01MR	100	73	292	0.025	95	±30	3 to 5	52	TO-220F	2.0
2SK3588-01L, S	100	73	292	0.025	270	±30	3 to 5	52	T-pack	1.6
2SK3589-01	100	73	292	0.025	270	±30	3 to 5	52	TFP	0.8
2SK3602-01	150	23	92	0.105	105	±30	3 to 5	21	TO-220AB	2.0
2SK3603-01MR	150	23	92	0.105	37	±30	3 to 5	21	TO-220F	2.0
2SK3604-01L, S	150	23	92	0.105	105	±30	3 to 5	21	T-pack	1.6
2SK3605-01	150	23	92	0.105	105	±30	3 to 5	21	TFP	0.8
2SK3648-01	150	33	132	0.07	150	±30	3 to 5	34	TO-220AB	2.0
2SK3649-01MR	150	33	132	0.07	53	±30	3 to 5	34	TO-220F	2.0
2SK3650-01L, S	150	33	132	0.07	150	±30	3 to 5	34	T-pack	1.6
2SK3474-01	150	33	132	0.07	150	±30	3 to 5	34	TFP	0.8
2SK3537-01MR	150	33	132	0.07	53	±20	1 to 2.5	46	TO-220F	2.0
2SK3590-01	150	57	228	0.041	270	±30	3 to 5	52	TO-220AB	2.0
2SK3591-01MR	150	57	228	0.041	95	±30	3 to 5	52	TO-220F	2.0
2SK3592-01L, S	150	57	228	0.041	270	±30	3 to 5	52	T-pack	1.6
2SK3593-01	150	57	228	0.041	270	±30	3 to 5	52	TFP	0.8
2SK3606-01	200	18	72	0.17	105	±30	3 to 5	21	TO-220AB	2.0
2SK3607-01MR	200	18	72	0.17	37	±30	3 to 5	21	TO-220F	2.0
2SK3608-01L, S	200	18	72	0.17	105	±30	3 to 5	21	T-pack	1.6
2SK3609-01	200	18	72	0.17	105	±30	3 to 5	21	TFP	0.8
2SK3594-01	200	45	180	0.066	270	±30	3 to 5	51	TO-220AB	2.0
2SK3595-01MR	200	45	180	0.066	95	±30	3 to 5	51	TO-220F	2.0
2SK3596-01L, S	200	45	180	0.066	270	±30	3 to 5	51	T-pack	1.6
2SK3597-01	200	45	180	0.066	270	±30	3 to 5	51	TFP	0.8
2SK3610-01	250	14	56	0.26	105	±30	3 to 5	21	TO-220AB	2.0
2SK3611-01MR	250	14	56	0.26	37	±30	3 to 5	21	TO-220F	2.0
2SK3612-01L, S	250	14	56	0.26	105	±30	3 to 5	21	T-pack	1.6
2SK3613-01	250	14	56	0.26	105	±30	3 to 5	21	TFP	0.8
2SK3554-01	250	37	148	0.1	270	±30	3 to 5	44	TO-220AB	2.0
2SK3555-01MR	250	37	148	0.1	95	±30	3 to 5	44	TO-220F	2.0
2SK3556-01L, S	250	37	148	0.1	270	±30	3 to 5	44	T-pack	1.6
2SK3535-01	250	37	148	0.1	270	±30	3 to 5	44	TFP	0.8
2SK3651-01R	250	37	148	0.1	115	±30	3 to 5	44	TO-3PF	6.0
2SK3580-01MR	300	15	60	0.28	48	±30	3.5 to 4.5	23	TO-220F	2.0
2SK3725-01	450	3	12	2.5	50	±30	3 to 5	10.5	TO-220AB	2.0
2SK3726-01MR	450	3	12	2.5	17	±30	3 to 5	10.5	TO-220F	2.0
2SK3514-01	450	10	40	0.65	135	±30	3 to 5	22	TO-220AB	2.0
2SK3515-01MR	450	10	40	0.65	48	±30	3 to 5	22	TO-220F	2.0
2SK3516-01L, S	450	10	40	0.65	135	±30	3 to 5	22	T-pack	1.6
2SK3692-01	450	17	68	0.38	225	±30	3 to 5	33	TO-220AB	2.0
2SK3693-01MR	450	17	68	0.38	80	±30	3 to 5	33	TO-220F	2.0
2SK3694-01L, S, SJ	450	17	68	0.38	225	±30	3 to 5	33	TO-pack	1.6

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



■ パワー-MOSFET Power MOSFET

形 式 Device type	V _{DSS} Volts	I _D Amps.	I _D (pulse) Amps.	R _{DS} (on) Max. *1 Ohms (Ω)	P _D *2 Watts	V _{GSS} Volts	V _{GS} (th) Typ. Volts	Q _g Typ. nC	パッケージ Package	質 量 Net mass Grams
2SK3517-01	500	6	24	1.5	90	±30	3 to 5	15	TO-220AB	2.0
2SK3518-01MR	500	6	24	1.5	32	±30	3 to 5	15	TO-220F	2.0
2SK3519-01	500	9	36	0.85	135	±30	3 to 5	20	TO-220AB	2.0
2SK3520-01MR	500	9	36	0.85	48	±30	3 to 5	20	TO-220F	2.0
2SK3521-01L, S	500	9	36	0.85	135	±30	3 to 5	20	T-pack	1.6
2SK3468-01	500	14	56	0.52	195	±30	3 to 5	30	TO-220AB	2.0
2SK3469-01MR	500	14	56	0.52	70	±30	3 to 5	30	TO-220F	2.0
2SK3512-01L, S	500	14	56	0.52	195	±30	3 to 5	30	T-pack	1.6
2SK3504-01	500	16	64	0.46	225	±30	3 to 5	33	TO-220AB	2.0
2SK3505-01MR	500	16	64	0.46	80	±30	3 to 5	33	TO-220F	2.0
2SK3581-01L, S	500	16	64	0.46	225	±30	3 to 5	33	T-pack	1.6
2SK3682-01	500	19	76	0.38	270	±30	3 to 5	32	TO-220AB	2.0
2SK3683-01MR	500	19	76	0.38	95	±30	3 to 5	32	TO-220F	2.0
2SK3684-01L, S	500	19	76	0.38	270	±30	3 to 5	32	T-pack	1.6
2SK3685-01	500	19	76	0.38	235	±30	3 to 5	32	TO-247	5.5
2SK3522-01	500	25	100	0.26	335	±30	3 to 5	54	TO-247	5.5
2SK3523-01R	500	25	100	0.26	160	±30	3 to 5	54	TO-3PF	6.0
2SK3680-01	500	51	208	0.11	600	±30	3 to 5	118	TO-247	5.5
2SK3524-01	600	8	32	1.2	135	±30	3 to 5	20	T-220AB	2.0
2SK3525-01MR	600	8	32	1.2	48	±30	3 to 5	20	TO-220F	2.0
2SK3526-01L, S	600	8	32	1.2	135	±30	3 to 5	20	T-pack	1.6
2SK3501-01	600	12	48	0.75	195	±30	3 to 5	30	TO-220AB	2.0
2SK3502-01MR	600	12	48	0.75	70	±30	3 to 5	30	TO-220F	2.0
2SK3513-01L, S	600	12	48	0.75	195	±30	3 to 5	30	T-pack	1.6
2SK3450-01	600	13	52	0.65	225	±30	3 to 5	34	TO-220AB	2.0
2SK3451-01MR	600	13	52	0.65	80	±30	3 to 5	34	TO-220F	2.0
2SK3686-01	600	16	64	0.54	270	±30	3 to 5	33	TO-220AB	2.0
2SK3687-01MR	600	16	64	0.54	97	±30	3 to 5	33	TO-220F	2.0
2SK3688-01L, S	600	16	64	0.54	270	±30	3 to 5	33	T-pack	1.6
2SK3689-01	600	16	64	0.54	235	±30	3 to 5	33	TO-247	5.5
2SK3527-01	600	21	84	0.37	335	±30	3 to 5	54	TO-247	5.5
2SK3528-01R	600	21	84	0.37	160	±30	3 to 5	54	TO-3PF	6.0
2SK3681-01	600	43	172	0.16	600	±30	3 to 5	118	TO-247	5.5
2SK3673-01MR	700	10	40	1.18	80	±30	3 to 5	25	TO-220F	2.0
2SK3677-01MR	700	12	48	0.93	95	±30	3 to 5	31	TO-220F	2.0
2SK3529-01	800	7	28	1.9	195	±30	3 to 5	21.5	TO-220AB	2.0
2SK3530-01MR	800	7	28	1.9	70	±30	3 to 5	21.5	TO-220F	2.0
2SK3727-01	900	2.2	8.8	8.0	75	±30	3.5 to 4.5	8.3	TO-220AB	2.0
2SK3728-01MR	900	2.2	8.8	8.0	26	±30	3.5 to 4.5	8	TO-220F	2.0
2SK3698-01	900	3.7	14.8	4.3	120	±30	3.5 to 4.5	13	TO-220AB	2.0
2SK3699-01MR	900	3.7	14.8	4.3	43	±30	3.5 to 4.5	13	TO-220F	2.0
2SK3531-01	900	6	24	2.5	195	±30	3 to 5	21.5	TO-220AB	2.0
2SK3532-01MR	900	6	24	2.5	70	±30	3 to 5	21.5	TO-220F	2.0
2SK3676-01L, S	900	6	24	2.5	195	±30	3 to 5	21.5	T-pack	1.6
2SK3533-01	900	7	28	2	225	±30	3 to 5	25	TO-220AB	2.0
2SK3534-01MR	900	7	28	2	80	±30	3 to 5	25	TO-220F	2.0
2SK3674-01L, S	900	7	28	2	225	±30	3 to 5	25	T-pack	1.6
2SK3675-01	900	7	28	2	195	±30	3 to 5	25	TO-247	5.5
2SK3678-01	900	9	36	1.58	270	±30	3 to 5	31	TO-220AB	2.0
2SK3679-01MR	900	9	36	1.58	95	±30	3 to 5	31	TO-220F	2.0
2SK3549-01	900	10	40	1.4	270	±30	3 to 5	34.5	TO-247	5.5
2SK3550-01R	900	10	40	1.4	130	±30	3 to 5	37	TO-3PF	6.0

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

記号 Letter symbols

V_{DSS}: ドレイン・ソース電圧

I_D: ドレイン電流

I_D(pulse): パルスドレイン電流

R_{DS}(on): ドレイン・ソース オン抵抗

Drain-source voltage

Continuous drain current

Pulsed drain current

Drain-source on-state resistance

P_D: 許容損失電力

V_{GSS}: ゲート・ソース電圧

V_{GS}(th): ゲートしきい値電圧

Q_g: トータルゲートチャージ量

Maximum power dissipation

Gate-source peak voltage

Gate threshold voltage

Total gate charge



パワー-MOSFET / Power MOSFETs

■ パワー-MOSFET Power MOSFET

F-II / FAP-II シリーズ F-II / FAP-II series

高速スイッチング/アバランシェ耐量保証 High speed switching / Avalanche rated

形式 Device type	V _{DSS} Volts	I _D Amps.	I _D (pulse) Amps.	R _{DS} (on) Max. *1 Ohms (Ω)	P _D *2 Watts	V _{GSS} Volts	V _{GS} (th) Typ. Volts	パッケージ Package	質量 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-220F	2.0
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-220F	2.0
2SK2849-01L, S	200	18	72	0.18	50	±30	3.5	T-pack	1.6
2SK2469-01MR	300	5	20	1.0	30	±30	4.0	TO-220F	2.0
2SK2470-01MR	300	10	40	0.53	40	±30	4.0	TO-220F	2.0
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-220F	2.0
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-220F	2.0
2SK2525-01	450	9	36	1.0	80	±30	3.5	TO-3P	5.5
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
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-220F	2.0
2SK951-MR	800	2.5	7	7.0	40	±30	3.5	TO-220F	2.0
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-220F	2.0
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-220F	2.0
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



■ パワー-MOSFET Power MOSFET

FAP-IIA シリーズ FAP-IIA series

低オン抵抗、低入力容量 Low-on resistance and low typical capacitance

形 式 Device type	V _{bss} Volts	I _d Amps.	I _d (pulse) Amps.	R _{ds} (on) Max. *1 Ohms (Ω)	P _D *2 Watts	V _{GSS} Volts	V _{GS} (th) Typ. Volts	パッケージ Package	質 量 Net mass Grams
2SK2518-01MR	200	20	80	0.13	50	±30	3.0	TO-220F	2.0
2SK2918-01	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-220F	2.0
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-220F	2.0
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-220F	2.0
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-220F	2.0
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-220F	2.0
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
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
2SK1821-01MR	600	2	6	6.5	30	±25	3.0	TO-220F	2.0
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-220F	2.0
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-220F	2.0
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-220F	2.0
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-220F	2.0
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-220F	2.0
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
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



パワー-MOSFET / Power MOSFETs

■ パワー-MOSFET Power MOSFET

FAP-IIS シリーズ FAP-IIS series

高温・連続アバランシェ耐量保証 Repetitive avalanche rated

形式 Device type	V _{DSS} Volts	I _D Amps.	I _D (pulse) Amps.	R _{DS} (on) Max. *1 Ohms (Ω)	P _D *2 Watts	V _{GSS} Volts	V _{GS} (th) Typ. Volts	パッケージ Package	質量 Net mass Grams
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-220F	2.0
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-220F	2.0
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-220F	2.0
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-220F	2.0
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-220F	2.0
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
2SK2645-01MR	600	9	32	1.2	50	±35	4.0	TO-220F	2.0
2SK2760-01R	600	9	32	1.2	60	±35	4.0	TO-3PF	6.0
2SK2827-01	600	9	32	1.2	60	±35	4.0	TO-220AB	2.0
2SK2834-01	600	9	32	1.2	80	±35	4.0	TO-3P	5.5
2SK2908-01L, S	600	9	32	1.2	60	±35	4.0	T-pack	1.6
2SK2761-01MR	600	10	36	1.0	50	±35	4.0	TO-220F	2.0
2SK3102-01R	600	10	36	1.0	50	±35	4.0	TO-3PF	6.0
2SK2646-01	800	4	16	4.0	80	±35	4.0	TO-220AB	2.0
2SK2647-01MR	800	4	16	4.0	40	±35	4.0	TO-220F	2.0
2SK2762-01L, S	800	4	16	4.0	80	±35	4.0	T-pack	1.6
2SK2763-01	800	4	16	4.0	100	±35	4.0	TO-3P	5.5
2SK2764-01R	800	4	16	4.0	80	±35	4.0	TO-3PF	6.0
2SK3264-01MR	800	7	28	2.0	60	±30	3.0	TO-220F	2.0
2SK2765-01	800	7	28	2.0	125	±35	4.0	TO-3P	5.5
2SK2766-01R	800	7	28	2.0	80	±35	4.0	TO-3PF	6.0
2SK2648-01	800	9	36	1.5	150	±35	4.0	TO-3P	5.5
2SK2649-01R	800	9	36	1.5	100	±35	4.0	TO-3PF	6.0

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



■ パワーMOSFET Power MOSFET

FAP-IIS シリーズ FAP-IIS series

高温・連続アバランシェ耐量保証 Repetitive avalanche rated (Continued)

形 式 Device type	V _{bss} Volts	I _d Amps.	I _d (pulse) Amps.	R _{ds} (on) Max. *1 Ohms (Ω)	P _D *2 Watts	V _{GSS} Volts	V _{Gs} (th) Typ. Volts	パッケージ Package	質 量 Net mass Grams
2SK2767-01	900	3.5	14	5.5	80	±35	4.0	TO-220AB	2.0
2SK2768-01L, S	900	3.5	14	5.5	80	±35	4.0	T-pack	1.6
2SK2769-01MR	900	3.5	14	5.5	40	±35	4.0	TO-220F	2.0
2SK2770-01	900	3.5	14	5.5	100	±35	4.0	TO-3P	5.5
2SK2651-01MR	900	6	24	2.5	50	±35	4.0	TO-220F	2.0
2SK2652-01	900	6	24	2.5	125	±35	4.0	TO-3P	5.5
2SK2850-01	900	6	24	2.5	125	±30	3.0	TO-3P	5.5
2SK2653-01R	900	6	24	2.5	80	±35	4.0	TO-3PF	6.0
2SK2654-01	900	8	32	2.0	150	±35	4.0	TO-3P	5.5
2SK2655-01R	900	8	32	2.0	100	±35	4.0	TO-3PF	6.0
2SK3341-01	900	10	40	1.2	310	±30	3.0	TO-247	5.5
2SK3337-01	1000	7	28	2.0	255	±30	3.0	TO-247	5.5

*1 R_{ds} (on): V_{Gs}=10V, *2 P_D: T_c=25°C

F-V / FAP-V シリーズ F-V / FAP-V series

内蔵ダイオード高速化／高 dv/dt 耐量 Include FRED / Avalanche rated

形 式 Device type	V _{bss} Volts	I _d Amps.	I _d (pulse) Amps.	R _{ds} (on) Max. *1 Ohms (Ω)	P _D *2 Watts	V _{GSS} Volts	V _{Gs} (th) Typ. Volts	パッケージ Package	質 量 Net mass Grams
2SK1818-MR	250	20	80	0.25	50	±20	3.0	TO-220F	2.0
2SK1276A	250	20	80	0.25	100	±20	3.0	TO-3P	5.5
2SK1277	250	30	120	0.12	150	±20	3.0	TO-3P	5.5
2SK1819-01MR	450	5	20	1.5	35	±25	3.0	TO-220F	2.0
2SK1278	500	10	40	1.1	100	±20	3.0	TO-3P	5.5
2SK2052-R	500	10	40	1.1	80	±20	3.0	TO-3PF	6.0
2SK1279	500	15	60	0.58	125	±20	3.0	TO-3P	5.5
2SK1280	500	18	72	0.5	150	±20	3.0	TO-3P	5.5

*1 R_{ds} (on): V_{Gs}=10V, *2 P_D: T_c=25°C



パワー-MOSFET / Power MOSFETs

■ パワー-MOSFET Power MOSFET

F-III / FAP-III シリーズ (Nチャネル) F-III / FAP-III series (N channel)

ロジックレベル駆動/アバランシェ耐量保証 Logic level drive / Avalanche rated

形 式 Device type	V _{DSS}	I _D	I _D (pulse)	R _{DS} (on) Max. *1	P _D *2	V _{GSS}	V _{GS} (th) Typ.	パッケージ Package	質 量 Net mass Grams
	Volts	Amps.	Amps.	Ohms (Ω)	Watts	Volts	Volts		
2SK2248-01L, S	30	10	40	0.06	20	±16	1.5	K-pack	0.6
2SK2249-01L, S	30	10	40	0.06	35	±16	1.5	T-pack	1.6
2SK2516-01L, S	30	50	200	0.013	80	±16	1.5	T-pack	1.6
2SK1083-MR	60	8	32	0.22	20	±20	1.5	TO-220F	2.0
2SK2018-01L, S	60	10	40	0.1	20	±20	1.5	K-pack	0.6
2SK1096-MR	60	13	52	0.12	30	±20	1.5	TO-220F	2.0
2SK1946-01MR	60	45	180	0.022	50	±20	1.5	TO-220F	2.0
2SK2517-01L, S	60	50	200	0.02	80	±20	1.5	T-pack	1.6
2SK2832-01R	60	50	200	0.02	80	±20	1.5	TO-220AB	2.0
2SK2098-01MR	150	20	80	0.08	50	±20	1.5	TO-220F	2.0
2SK2226-01L, S	150	20	80	0.08	80	±20	1.5	T-pack	1.6

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

FAP-III シリーズ (Pチャネル) FAP-III series (P channel)

アバランシェ耐量保証 Avalanche rated

形 式 Device type	V _{DSS}	I _D	I _D (pulse)	R _{DS} (on) Max. *1	P _D *2	V _{GSS}	V _{GS} (th) Typ.	パッケージ Package	質 量 Net mass Grams
	Volts	Amps.	Amps.	Ohms (Ω)	Watts	Volts	Volts		
2SJ472-01L, S	-30	-5	-20	0.4	15	±16	-1.5	K-pack	0.6
2SJ314-01L, S	-60	-5	-20	0.3	20	±20	-1.5	K-pack	0.6
2SJ473-01L, S	-60	-7	-28	0.2	20	±20	-1.5	K-pack	0.6
2SJ474-01L, S	-60	-7	-28	0.2	20	±20	-1.5	T-pack	1.6
2SJ475-01	-60	-25	-100	0.06	50	±20	-1.5	TO-220AB	2.0
2SJ476-01L, S	-60	-25	-100	0.06	50	±20	-1.5	T-pack	1.6
2SJ477-01MR	-60	-25	-100	0.06	40	±20	-1.5	TO-220F	2.0

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

FAP-III A シリーズ FAP-III A series

高破壊耐量・低オン抵抗 High surge ruggedness

形 式 Device type	V _{DSS}	I _D	I _D (pulse)	R _{DS} (on) Max. *1	P _D *2	V _{GSS}	V _{GS} (th) Typ.	パッケージ Package	質 量 Net mass Grams
	Volts	Amps.	Amps.	Ohms (Ω)	Watts	Volts	Volts		
2SK1822-01MR	60	20	80	0.07	35	±20	1.5	TO-220F	2.0
2SK2259-01MR	60	40	160	0.03	40	±20	1.5	TO-220F	2.0
2SK2165-01	60	40	160	0.03	100	±20	1.5	TO-3P	5.5
2SK2166-01R	60	40	160	0.03	80	±20	1.5	TO-3PF	6.0
2SK1969-01	60	50	200	0.017	125	±20	1.5	TO-3P	5.5
2SK1823-01R	60	50	200	0.017	80	±20	1.5	TO-3PF	6.0

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



■ パワー-MOSFET Power MOSFET

FAP-IIIIB シリーズ FAP-IIIIB series

超低オン抵抗・高アバランシェ耐量 Low-on resistance

形 式 Device type	V _{bss} Volts	I _d Amps.	I _d (pulse) Amps.	R _{ds} (on) Max. *1 Ohms (Ω)	P _D *2 Watts	V _{GSS} Volts	V _{Gs} (th) Typ. Volts	パッケージ Package	質 量 Net mass Grams
F8006N	20	5×2	60	0.048	2	±12	1	SOP-8	0.2 max
F7007N	30	7	84	0.025	2	±18	1.5	SOP-8	0.2 max
2SK2806-01	30	35	140	0.02	60	±16	1.5	TO-220AB	2.0
2SK2807-01L, S	30	35	140	0.02	60	±16	1.5	T-pack	1.6
2SK2808-01MR	30	35	140	0.02	40	±16	1.5	TO-220F	2.0
2SK2687-01	30	50	200	0.01	60	±16	1.5	TO-220AB	2.0
2SK2688-01L, S	30	50	200	0.01	60	±16	1.5	T-pack	1.6
2SK2689-01MR	30	50	200	0.01	40	±16	1.5	TO-220F	2.0
2SK3363-01	30	50	200	0.0068	80	±20	1.5	TO-220AB	2.0
2SK2890-01MR	30	50	200	0.0068	80	±16	1.5	TO-220F	2.0
2SK2892-01R	30	90	360	0.0055	100	±16	1.5	TO-3PF	6.0
2SK2891-01	30	100	400	0.0055	125	±16	1.5	TO-3P	5.5
2SK2893-01	30	100	400	0.004	150	±16	1.5	TO-3P	5.5
2SK2894-01R	30	100	400	0.004	125	±16	1.5	TO-3PF	6.0
2SK2895-01	60	45	180	0.012	60	±20	1.5	TO-220AB	2.0
2SK2896-01L, S	60	45	180	0.012	60	±20	1.5	T-pack	1.6
2SK2897-01MR	60	45	180	0.012	40	±20	1.5	TO-220F	2.0
2SK2900-01	60	45	180	0.015	60	±30	3.0	TO-220AB	2.0
2SK2901-01L, S	60	45	180	0.015	60	±30	3.0	T-pack	1.6
2SK2902-01MR	60	45	180	0.015	40	±30	3.0	TO-220F	2.0
2SK3362-01	60	50	200	0.01	80	±20	1.5	TO-220AB	2.0
2SK2809-01MR	60	50	200	0.01	50	±20	1.5	TO-220F	2.0
2SK3364-01	60	50	200	0.012	80	±30	3.0	TO-220AB	2.0
2SK2903-01MR	60	50	200	0.012	80	±30	3.0	TO-220F	2.0
2SK2905-01R	60	70	280	0.012	100	±30	3.0	TO-3PF	6.0
2SK2691-01R	60	70	280	0.01	100	±20	1.5	TO-3PF	6.0
2SK2690-01	60	80	320	0.01	125	±20	1.5	TO-3P	5.5
2SK2904-01	60	80	400	0.012	125	±30	3.0	TO-3P	5.5
2SK2898-01	60	100	400	0.007	150	±20	1.5	TO-3P	5.5
2SK2899-01R	60	100	400	0.007	125	±20	1.5	TO-3PF	6.0
2SK2906-01	60	100	400	0.008	150	±30	3.0	TO-3P	5.5
2SK2907-01R	60	100	400	0.008	125	±30	3.0	TO-3PF	6.0
2SK3216-01	100	50	200	0.025	135	±30	3.0	TO-220AB	2.0
2SK3217-01MR	100	50	200	0.025	70	±30	3.0	TO-220F	2.0
2SK3218-01	150	40	160	0.043	135	±30	3.0	TO-220AB	2.0
2SK3219-01MR	150	40	160	0.043	70	±30	3.0	TO-220F	2.0
2SK3262-01MR	200	20	80	0.1	45	±20	1.5	TO-220F	2.0

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

トレンチMOSFET Trench power MOSFET

形 式 Device type	V _{bss} Volts	I _d Amps.	I _d (pulse) Amps.	R _{ds} (on) Max. * Ohms (Ω)	P _D Watts	V _{GSS} Volts	V _{Gs} (th) Typ. Volts	パッケージ Package	質 量 Net mass Grams
2SK3273-01MR	60	70	280	0.0065	70	±30	3.0	TO-220F	2.0
2SK3270-01	60	80	320	0.0065	135	±30	3.0	TO-220AB	2.0
2SK3272-01L, S	60	80	320	0.0065	135	±30	3.0	T-pack	1.6
2SK3272-01SJ	60	80	320	0.0065	135	±30	3.0	D2-pack	1.6
2SK3271-01	60	100	400	0.0065	155	±30	3.0	TO-3P	5.5

* R_{ds} (on): V_{Gs}=10V



パワー-MOSFET / Power MOSFETs

■ パワー-MOSFET Power MOSFET

高性能パワー-MOSFET Intelligent power MOSFET

形 式 Device type	V _{DSS}	I _D	I _D (pulse)	R _{DS} (on) Max. *	P _D	V _{GSS}	V _{GS} (th) Typ.	パッケージ Package	質 量 Net mass Grams
	Volts	Amps.	Amps.	Ohms (Ω)	Watts	Volts	Volts		
F5018	40	8	-	0.14	15	-	-	K-pack	0.6
F5019	40	12	-	0.14	30	-	-	T-pack	1.6
F5020	40	3	-	0.40	10	-	-	K-pack	0.6
F5022	70	3	-	0.55	12	-	-	K-pack	0.6
F5023	40	12	-	0.14	30	-	-	TO-220AB	2.0
F5028	40	28	-	0.04	50	-	-	T-pack	1.6
F5029	40	18	-	0.07	38	-	-	TO-220AB	2.0
F5030	40	18	-	0.07	38	-	-	T-pack	1.6
F5031	40	14	-	0.07	20	-	-	K-pack	0.6
F5032	40	6	-	0.20	12	-	-	K-pack	0.6
F5033	40	1	-	0.60	0.60	-	-	SOP-8	0.2
F5041	40	1	-	0.60	1.5	-	-	SOP-8	0.2
F5042	40	8	-	0.14	15	-	-	K-pack	0.6
F5043	40	12	-	0.14	30	-	-	T-pack	1.6

* R_{DS} (on): V_{CC}=12V

IPS シリーズ (インテリジェントパワースイッチ) IPS series (Intelligent power switches)

自己保護機能・診断機能内蔵 Self protection and safety check

形 式 Device type	V _{DSS}	I _D	I _D (pulse)	R _{DS} (on) Max. *	P _D	V _{GSS}	V _{GS} (th) Typ.	パッケージ Package	質 量 Net mass Grams
	Volts	Amps.	Amps.	Ohms (Ω)	Watts	Volts	Volts		
F5016H	60	3	-	0.16	30	-	-	TO-220F5	2.3
F5017H	60	6	-	0.16	30	-	-	TO-220F5	2.3
F5021H	50	3	-	0.16	30	-	-	TO-220F5	2.3
F5038H	50	3	-	0.16	30	-	-	TO-220F5	2.3
F5044H	50	1	-	0.12	1.5	-	-	SOP-8	0.2

* R_{DS} (on): V_{CC}=12V

スイッチング電源用マルチチップパワーデバイス M-Power

Multi-chip power device M-Power for switching power supply

形 式 Device type	Power MOSFET (Main)		Power- MOSFET (Sub)		Control IC		パッケージ Package	質 量 Net mass Grams
	V _{DSS} Volts	R _{DS} (on) Ohms (Ω)	V _{DSS} Volts	R _{DS} (on) Ohms (Ω)	V _{CC} (on) Volts	T _J (OH) °C		
F9202	700	1.2	900	8.9	10	125 to 150	MPD7pin	3.8
F9203	700	0.8	900	8.9	10	125 to 150	MPD7pin	3.8
F9206	700	1.2	800	2	16.5	125 to 150	MPD7pin	3.8
F9207	700	0.8	800	2	16.5	125 to 150	MPD7pin	3.8
F9208	700	0.8	800	4.4	16.5	140 (Min.)	MPD7pin	3.8
F9209	700	0.6	800	4.4	16.5	140 (Min.)	MPD7pin	3.8
F9210	700	1.2	800	4.4	16.5	140 (Min.)	MPD7pin	3.8
F9211	800	1.1	800	2	16.5	125 to 150	MPD7pin	3.8
F9212	800	0.83	800	2	16.5	125 to 150	MPD7pin	3.8
F9221	500	0.9	500	0.9	16.5	125 to 150	MPD12pin	7.8
F9222	500	0.6	500	0.6	16.5	125 to 150	MPD12pin	7.8