

Power MOS FET (π -MOS II.5)

F1

Application	Type No.	Maximum Rating			Package	R _{ds} (ON)(Ω)				V _{th} (I _D =1mA) (V)
		I _D (A)	V _{DSS} (V)	P _D (W)		TYP.	Max.	V _{GS} (V)	I _D (A)	
AC220V Input Switching Power Supply	*2SK2274	5	700	45	TO-220(NIS)	1.5	1.7	10	2	1.5-3.5
	2SK1602	2.8	800	40	TO-220(NIS)	4.3	5.0	10	1.5	1.5-3.5
	2SK1600	3	800	75	TO-220AB	4.3	5.0	10	1.5	1.5-3.5
	2SK1858	3	800	60	TO-220FL/SM	4.3	5.0	10	1.5	1.5-3.5
	2SK2056	4	800	40	TO-220(NIS)	1.8	2.4	10	2	1.5-3.5
	2SK2089	5	800	80	TO-220FL/SM	1.8	2.4	10	3	1.5-3.5
	2SK2038	5	800	125	TO-3P(N)	1.8	2.2	10	3	1.5-3.5
	2SK2222	5	800	80	TO-3P(IS)	1.8	2.2	10	3	1.5-3.5
	2SK2077	7	800	150	TO-3P(N)	1.4	1.7	10	3.5	1.5-3.5
	2SK2319	7	800	85	TO-3P(IS)	1.4	1.7	10	3.5	1.5-3.5
	2SK2078	9	800	150	TO-3P(N)	1.0	1.2	10	4	1.5-3.5
	2SK2320	8.5	800	90	TO-3P(IS)	1.0	1.2	10	4	1.5-3.5
	2SK1603	2.5	900	40	TO-220(NIS)	5.8	6.4	10	1.5	1.5-3.5
	2SK1601	3	900	75	TO-220AB	5.8	6.4	10	1.5	1.5-3.5
	2SK1643	5	900	125	TO-220AB	2.5	2.8	10	2	1.5-3.5
	2SK1929	5	900	100	TO-220FL/SM	2.5	2.8	10	2	1.5-3.5
	2SK1357	5	900	125	TO-3P(N)	2.5	2.8	10	2	1.5-3.5
	2SK2039	5	900	150	TO-3P(N)	1.9	2.5	10	3	1.5-3.5
	2SK1692	7	900	150	TO-3P(N)	1.7	2.0	10	3.5	1.5-3.5
	2SK1363	8	900	90	TO-3P(IS)	1.1	1.4	10	4	1.5-3.5
	2SK1358	9	900	150	TO-3P(N)	1.1	1.4	10	4	1.5-3.5
	2SK1119	4	1000	100	TO-220AB	3.0	3.8	10	2	1.5-3.5
	2SK1930	4	1000	100	TO-220FL/SM	3.0	3.8	10	2	1.5-3.5
	2SK1359	5	1000	125	TO-3P(N)	3.0	3.8	10	2	1.5-3.5
	2SK1365	7	1000	90	TO-3P(IS)	1.5	1.8	10	4	1.5-3.5
	2SK1120	8	1000	150	TO-3P(N)	1.5	1.8	10	4	1.5-3.5
	2SK1489	12	1000	200	TO-3P(L)	0.8	1.0	10	6	1.5-3.5

* Under development

Power MOS FET (π -MOS III)

F1

Application	Type No.		Maximum Rating			Package	R _{ds} (ON)(Ω)				V _{th} (I _D =1mA) (V)
	N-CHANNEL	P-CHANNEL	I _D (A)	V _{DSS} (V)	P _D (W)		TYP.	Max.	V _{GS} (V)	I _D (A)	
DC/DC converter	2SK856		45	60	125	TO-220AB	0.024	0.030	10	25	1.5-3.5
Motor driver	2SK1124		45	60	125	TO-3P(N)	0.024	0.030	10	25	1.5-3.5

Power MOS FET (L²- π -MOS III)

F1

Application	Type No.	Maximum Rating			Package	R _{ds} (ON) (Ω)				R _{ds} (ON) (Ω)				V _{th} (I _D =1mA) (V)
		I _D (A)	V _{DSS} (V)	P _D (W)		TYP.	Max.	V _{GS} (V)	I _D (A)	TYP.	Max.	V _{GS} (V)	I _D (A)	
DC/DC converter Motor driver	2SK1078	0.8	60	0.5	POWERMINI	0.40	0.55	10	0.4	0.75	1.1	4	0.4	0.8-2.0
	2SK940	0.8	60	0.9	TO-92MOD	0.40	0.55	10	0.4	0.75	1.1	4	0.4	0.8-2.0
	2SK1112	5	60	20	POWER MOLD	0.120	0.16	10	2.5	0.20	0.30	4	1.3	0.8-2.0
	2SJ183	-5	-60	20	POWER MOLD	0.30	0.35	-10	-2.5	0.45	0.70	-4	-1.3	-0.8--2.0
	2SK1114	12	60	40	TO-220AB	0.055	0.07	10	6	0.08	0.13	4	3	0.8-2.0
	2SK1344	12	60	30	TO-220(IS)NEW	0.055	0.07	10	6	0.08	0.13	4	3	0.8-2.0
	2SK1768	12	60	1.3	NPM	0.055	0.07	10	6	0.08	0.13	4	3	0.8-2.0
	2SK1115	20	60	60	TO-220AB	0.042	0.055	10	10	0.064	0.090	4	5	0.8-2.0
	2SK1345	20	60	40	TO-220(IS)NEW	0.042	0.055	10	10	0.064	0.090	4	5	0.8-2.0
	2SK942	25	60	75	TO-220AB	0.036	0.046	10	12	0.057	0.080	4	6	0.8-2.0
	2SK943	25	60	40	TO-220(IS)NEW	0.036	0.046	10	12	0.057	0.080	4	6	0.8-2.0
	2SK1379	50	60	150	TO-3P(N)	0.011	0.017	10	25	0.016	0.025	4	25	0.8-2.0
	2SK1380	60	60	200	TO-3P(L)	0.0065	0.011	10	30	0.009	0.015	4	30	0.8-2.0
	2SK1079	0.6	100	0.5	POWER MINI	0.95	1.3	10	0.3	1.2	1.8	4	0.3	0.8-2.0
	2SK941	0.6	100	0.9	TO-92MOD	0.95	1.3	10	0.3	1.2	1.8	4	0.3	0.8-2.0
	2SK1347	20	100	75	TO-220AB	0.068	0.085	10	10	0.10	0.15	4	5	0.8-2.0
	2SK1348	20	100	40	TO-220(IS)NEW	0.068	0.085	10	10	0.10	0.15	4	5	0.8-2.0
	2SK1116	25	100	100	TO-220AB	0.045	0.058	10	12	0.070	0.10	4	6	0.8-2.0
	2SK1349	25	100	45	TO-220(IS)NEW	0.045	0.058	10	12	0.070	0.10	4	6	0.8-2.0
	2SK1381	50	100	150	TO-3P(N)	0.025	0.032	10	25	0.031	0.046	4	25	0.8-2.0
	2SK1382	60	100	200	TO-3P(L)	0.015	0.020	10	30	0.020	0.029	4	30	0.8-2.0
	2SK1113	3	120	20	POWER MOLD	0.33	0.42	10	1.5	0.40	0.60	4	0.8	0.8-2.0