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Type No.	Package type	Applications	Absolute maximum ratings					Electrical characteristics (Ta = 25 °C)						
			Vdss (V)	Vgss (V)	Id (A)	Pd (W)	Tch (°C)	Vgs(off) (V)	RDS(on) @ Id · Vgs			Yfs @ Vds · Id		
									RDS (on) max (Ω)	Id (A)	Vgs (V)	Yfs typ(S)	Vds (V)	Id (A)
2SJ282	TO220	Ultrahigh-speed switching	250	±30	3.0	50*	150	1.5 to 2.5	2.0	1.5	10	2.5	10	1.5
2SJ348	TO220	Ultrahigh-speed switching	60	±20	30.0	70*	150	1 to 2	0.055	15.0	4	25.0	10	15.0
2SJ478 ▽	TO220	Ultrahigh-speed switching	60	±20	20.0	35*	150	1 to 2	0.045	10.0	10	15.0	10	10.0
2SJ254	TO220ML	Ultrahigh-speed switching	30	±15	8.0	25*	150	1 to 2	0.12	5.0	10	6.5	10	5.0
2SJ255	TO220ML	Ultrahigh-speed switching	30	±20	10.0	25*	150	1 to 2	0.13	6.0	4	8.0	10	6.0
2SJ256	TO220ML	Ultrahigh-speed switching	30	±15	18.0	30*	150	1 to 2	0.055	10.0	10	14.0	10	10.0
2SJ263	TO220ML	Ultrahigh-speed switching	60	±15	6.0	25*	150	1 to 2	0.2	4.0	10	6.0	10	4.0
2SJ264	TO220ML	Ultrahigh-speed switching	60	±20	8.0	25*	150	1 to 2	0.2	5.0	4	7.5	10	5.0
2SJ265	TO220ML	Ultrahigh-speed switching	60	±15	15.0	30*	150	1 to 2	0.08	9.0	10	13.5	10	9.0
2SJ272	TO220ML	Ultrahigh-speed switching	100	±15	4.0	25*	150	1 to 2	0.4	3.0	10	5.0	10	3.0
2SJ273	TO220ML	Ultrahigh-speed switching	100	±20	6.0	25*	150	1 to 2	0.4	4.0	4	6.5	10	4.0
2SJ274	TO220ML	Ultrahigh-speed switching	100	±15	12.0	30*	150	1 to 2	0.16	8.0	10	13.0	10	8.0
2SJ306	TO220ML	Ultrahigh-speed switching	250	±30	3.0	25*	150	1.5 to 2.5	2.0	1.5	10	2.5	10	1.5
2SJ307	TO220ML	Ultrahigh-speed switching	250	±30	6.0	30*	150	1.5 to 2.5	1.0	3.0	10	5.0	10	3.0
2SJ308	TO220ML	Ultrahigh-speed switching	250	±30	9.0	40*	150	1.5 to 2.5	0.48	5.0	10	10.0	10	15.0
2SJ320	TO220ML	Ultrahigh-speed switching	250	±30	4.0	25*	150	1.5 to 2.5	1.3	2.0	10	3.0	10	2.0
2SJ339	TO220ML	Ultrahigh-speed switching	60	±20	25.0	40*	150	1 to 2	0.055	15.0	4	25.0	10	15.0
2SJ403	TO220ML	Ultrahigh-speed switching	200	±20	5.0	25*	150	1.5 to 2.5	0.8 §	2.5	10	3.0	10	2.5
2SJ404	TO220ML	Ultrahigh-speed switching	200	±20	6.0	25*	150	1.5 to 2.5	0.6 §	3.0	10	3.5	10	3.0
2SJ405	TO220ML	Ultrahigh-speed switching	200	±20	8.0	30*	150	1.5 to 2.5	0.37 §	4.0	10	5.5	10	4.0
2SJ406 ▽	TO220ML	Ultrahigh-speed switching	200	±20	12.0	40*	150	1.5 to 2.5	0.23	6.0	10	10.5	10	6.0
2SJ413	TO3PML	Ultrahigh-speed switching	60	±20	50.0	70*	150	1 to 2	0.3	2.5	4	45.0	10	2.5

* Tc = 25 °C

† Mounted on a board (250 mm² × 0.8 mm)

§ Typical

Notes:

Listed by package type and arranged in order of Type Number.

For PNP, the minus sign is omitted due to space limitations.

The standard version of the FLP package is available in radial taping form.

Power MOSFETs (N channel)

Type No.	Package type	Applications	Absolute maximum ratings					Electrical characteristics (Ta = 25 °C)						
			Vdss (V)	Vgss (V)	Id (A)	Pd (W)	Tch (°C)	Vgss(off) (V)	RDS(on) @ Id · Vgs			Yfs @ Vds · Id		
									RDS (on) max (Ω)	Id (A)	Vgs (V)	Yfs typ(S)	Vds (V)	Id (A)
2SK1839	MCP	MOSFET analog switching	30	±12	0.1	0.15	125	IDSS max = 1 μA, Yfs = 50 mS, RDS(on) = 15 Ω						
2SK536	CP	MOSFET analog switching	50	±12	0.1	0.2	125	IDSS max = 1 μA, Yfs = 40 mS, RDS(on) = 20 Ω						
2SK1840	CP	MOSFET analog switching	30	±12	0.1	0.2	125	IDSS max = 1 μA, Yfs = 50 mS, RDS(on) = 15 Ω						
2SK1847	CP	Ultrahigh-speed switching	30	±15	0.5	0.25	150	1.0 to 2.0	0.75	0.25	10	0.7	10	0.25
2SK1848	CP	Ultrahigh-speed switching	60	±15	0.4	0.25	150	1.0 to 2.0	1.2	0.2	10	0.6	10	0.2
2SK1849	CP	Ultrahigh-speed switching	100	±15	0.25	0.25	150	1.0 to 2.0	3.2	0.15	10	0.5	10	0.15
2SK2273	CP	Ultrahigh-speed switching	20	±15	0.5	0.25	150	1.0 to 2.0	0.75	0.25	4	0.7	10	0.25
2SK2747 ▽	CP	Ultrahigh-speed switching	30	±15	0.5	0.25	150	1.0 to 2.5	0.55	0.25	10	0.6	10	0.25
2SK1467	PCP	Ultrahigh-speed switching	30	±15	2.0	3.5*	150	1.0 to 2.0	0.3	1.0	10	2.0	10	1.0
2SK1470	PCP	Ultrahigh-speed switching	60	±15	2.0	3.5*	150	1.0 to 2.0	0.45	1.0	10	2.0	10	1.0
2SK1473	PCP	Ultrahigh-speed switching	100	±15	2.0	3.5*	150	1.0 to 2.0	0.95	1.0	10	2.0	10	1.0
2SK1724	PCP	Ultrahigh-speed switching	30	±15	1.0	3.5*	150	1.0 to 2.0	0.75	0.5	10	1.0	10	0.5
2SK1726	PCP	Ultrahigh-speed switching	60	±15	1.0	3.5*	150	1.0 to 2.0	1.2	0.5	10	1.0	10	0.5
2SK1728	PCP	Ultrahigh-speed switching	100	±15	1.0	3.5*	150	1.0 to 2.0	3.5	0.5	10	1.0	10	0.5
2SK2151	PCP	Ultrahigh-speed switching	20	±15	1.0	1.3 †	150	1.0 to 2.0	0.75	0.5	4	1.0	10	0.5
2SK2152	PCP	Ultrahigh-speed switching	20	±15	2.0	1.5 †	150	1.0 to 2.0	0.25	1.0	4	2.0	10	1.0
2SK2167	PCP	Ultrahigh-speed switching	250	±20	1.6	3.5 †	150	1.5 to 2.5	12.0	0.2	10	0.4	10	0.2
2SK2168	PCP	Ultrahigh-speed switching	250	±20	3.2	3.5 †	150	1.5 to 2.5	5.0	0.4	10	0.9	10	0.4
2SK2260	PCP	Ultrahigh-speed switching	220	±20	1.2	3.5 †	150	1.5 to 2.5	4.5	0.6	10	1.1	10	0.6
2SK2316	PCP	Ultrahigh-speed switching	20	±10	2.0	3.5 †	150	0.5 to 1.5	0.32	0.5	2.5	2.8	10	1.0
2SK2437	PCP	Ultrahigh-speed switching	30	±20	2.0	3.5 †	150	1.0 to 2.5	0.3	1.0	4	2.8	10	1.0
2SK2748 ▽	PCP	Ultrahigh-speed switching	30	±20	2.0	3.5 †	150	1.0 to 2.5	0.2	1.0	10	2.2	10	1.0
2SK1841	SPA	MOSFET analog switching	30	±12	0.1	0.2	125	IDSS max = 1 μA, Yfs = 50 mS, RDS(on) = 15 Ω						
2SK1725	NMP	Ultrahigh-speed switching	30	±15	1.0	1	150	1.0 to 2.0	0.75	0.5	10	1.0	10	0.5
2SK1727	NMP	Ultrahigh-speed switching	60	±15	0.8	1	150	1.0 to 2.0	1.2	0.4	10	0.9	10	0.4
2SK1729	NMP	Ultrahigh-speed switching	100	±15	0.5	1	150	1.0 to 2.0	3.5	0.25	10	0.7	10	0.25
2SK1730	NMP	Ultrahigh-speed switching	30	±15	1.8	1	150	1.0 to 2.0	0.3	1.0	10	2.0	10	1.0
2SK1733	NMP	Ultrahigh-speed switching	60	±15	1.5	1	150	1.0 to 2.0	0.45	0.75	10	1.8	10	0.75
2SK1736	NMP	Ultrahigh-speed switching	100	±15	1.0	1	150	1.0 to 2.0	0.7	0.5	10	1.5	10	0.5
2SK2169	NMP	Ultrahigh-speed switching	250	±20	0.4	1	150	1.5 to 2.5	5.0	0.2	10	0.6	10	0.2
2SK1468	TP	Ultrahigh-speed switching	30	±15	4.0	20*	150	1.0 to 2.0	0.12	2.0	10	4.0	10	2.0
2SK1469	TP	Ultrahigh-speed switching	30	±15	8.0	30*	150	1.0 to 2.0	0.055	4.0	10	8.0	10	4.0
2SK1471	TP	Ultrahigh-speed switching	60	±15	4.0	20*	150	1.0 to 2.0	0.2	2.0	10	4.0	10	2.0
2SK1472	TP	Ultrahigh-speed switching	60	±15	8.0	30*	150	1.0 to 2.0	0.08	4.0	10	8.0	10	4.0

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