

FET, IGBT, IPD

■ Silicon MOS FETs

● For Small Signal

Application	Structure	Type No.	Absolute Maximum Ratings (Ta = 25 °C)				Electrical Characteristics (Ta = 25 °C)				Package	No.
			V _{DS} * V _{DSS} (V)	V _{GSS} (V)	I _D (A)	P _D (mW)	g _m min typ* (mS)	R _{DS(on)} typ (Ω)	t _{on} max typ* (ns)	t _{off} max typ* (ns)		
Digital/ analog switching	N-ch	2SK601	80	20	0.5	1000	* 300	2	* 15	* 20	Mini-Power Type	D19
		2SK614	80	20	0.5	750	* 300	2	* 15	* 20	TO-92	D46
		2SK615	80	20	0.5	1000	* 300	2	* 15	* 20	M Type	D35
		2SK620	50	8	0.1	150	20	40	10	20	Mini Type (3 pins)	D12
		2SK655	50	8	0.1	200	20	40	10	20	New S-Type	D34
		2SK656	50	8	0.1	200	20	40	1000	1000	New S-Type	D34
		2SK657	50	8	0.1	400	20	40	10	20	M Type	D35
		2SK664	50	8	0.1	150	20	40	10	20	S-Mini Type (3 pins)	D5
		2SK665	20	8	0.1	150	20	40	1000	1000	S-Mini Type (3 pins)	D5
		2SK1228 ※	50	10	0.05	150	* 39	27	2000	2000	Mini Type (3 pins)	D12
		2SK1374 ※	50	10	0.05	150	* 39	27	2000	2000	S-Mini Type (3 pins)	D5
	P-ch	2SJ146	* -50	-8	-0.1	150	13	< 150	40	60	Mini Type (3 pins)	D12

※2.5V Drive

● For Medium Output

Application		Type No.	Absolute Maximum Ratings (Ta = 25 °C)				Electrical Characteristics (Ta = 25 °C)					Package	No.
			V _{DS} (V)	V _{GSS} (V)	I _D (A)	P _D (W)	R _{DS(on)} max (Ω)	Y _{fs} typ (S)	t _{on} (ns)	t _f (ns)	td(off) (ns)		
Switching	P-ch	2SJ0398	-30	±15	-2	1	0.5	>1.5	60	280	280	U Type	D36
	N-ch	2SK2014	100	±20	1	10 *	1	>1.0	38	330	90	U Type	D36
		2SK2015	150	±20	3	10 *	1.3	3.4	24	36	90	U Type	D36
		2SK2016	100	±20	5	10 *	0.6	3.8	26	38	84	U Type	D36
		2SK2211	30	±20	1	1	0.75	>0.5	12	160	60	Mini-Power (3 pins)	D19
		2SK2276	60	±20	5	10 *	0.2	4.0	29	53	97	U Type	D36
		2SK2277	60	±20	1	1	1	>0.5	35	80	130	Mini-Power (3 pins)	D19
		2SK2342	30	±15	2	10*	0.45	>1.0	40	100	180	U Type	D36
		2SK2474	250	±30	2	10*	1.2	1.0	30	45	90	U Type	D36
		2SK2495	250	±30	2	30	1.2	1.0	30	45	90	N Type	D42
		△2SK2660	200	±30	2	10*	3.5	1.0	20	15	20	U Type	D36
		△2SK2537	400	±20	0.2	0.5	2.5	0.2	50	100	—	Mini-Power (3 pins)	D19
		△2SK2772	235	±30	4	10*	1.3	1.6	30	50	20	U Type	D36
		△2SK2797	200	±30	2	10*	typ 2.1	1.0	10	15	20	U Type	D36

* T_C = 25 °C △Tentative