

# Junction FETs

Type No.	Package type	Applications	Absolute maximum ratings					Electrical characteristics (Ta = 25°C)														Notes		
			V <sub>GDS</sub> (V)	I <sub>G</sub> (mA)	I <sub>D</sub> (mA)	P <sub>D</sub> (mW)	T <sub>j</sub> (°C)	I <sub>GSS</sub> @ V <sub>DS</sub>		I <sub>DSS</sub> @ V <sub>DS</sub>		Y <sub>fs</sub>   @ V <sub>DS</sub>		C <sub>iss</sub> @ V <sub>DS</sub>		C <sub>rss</sub> @ V <sub>DS</sub>		NF @ V <sub>DS</sub> , I <sub>D</sub>					R <sub>(on)</sub> (Ω)	
								I <sub>GSS</sub> max (nA)	V <sub>GS</sub> (V)	I <sub>DSS</sub> min to max (mA)	V <sub>DS</sub> (V)	Y <sub>fs</sub>  ** (min/typ) (mS)	V <sub>DS</sub> (V)	C <sub>iss</sub> typ (pF)	V <sub>DS</sub> (V)	C <sub>rss</sub> typ (pF)	V <sub>DS</sub> (V)	NF** typ (dB)	V <sub>DS</sub> (V)	I <sub>D</sub> (mA)				
1	2SK2170	SMCP	Impedance converters	30	10	20	100	150	1.0	20	1.2 to 4.5	10	2.5 to 5.0	10	5	10	0.9	10	-	-	-	-	-	
2	2SK1065	MCP	FM tuner high-frequency amplifiers	20	10	20	150	150	-	-	1.2 to 12	5	2.4/6.0	5	4	5	0.04	5	3.5	5	3	-	-	
3	2SK1069	MCP	Impedance converters	40	10	20	150	150	1.0	20	1.2 to 12	10	4.5/9.0	10	9	10	2.1	10	-	-	-	-	-	
4	2SK1332	MCP	Impedance converters	30	10	20	150	150	1.0	20	0.6 to 6.0	10	2.5/5.0	10	5	10	0.9	10	-	-	-	-	-	
5	2SK2091	MCP	Impedance converters, infrared sensors	30	10	5	150	150	1.0	20	0.4 to 1.1	10	1.1/1.8	10	2.9	10	1.1	10	-	-	-	-	-	
6	2SK2219	MCP	Capacitor microphones	20	10	1	100	150	-	-	0.14 to 0.5	5	0.5/1.2	5	4.1	5	0.88	5	-	-	-	-	-	
7	2SK1740	CP	Analog switches, high-frequency amplifiers	40	10	75	250	150	-	-	40 to 75	10	22/30	10	11	10	2.5	10	1.5	10	1	30	-	
8	2SK2076	CP	Impedance converters, infrared sensors	30	10	5	150	150	1.0	20	0.4 to 1.1	10	1.1/1.8	10	2.9	10	1.1	10	-	-	-	-	-	
9	2SK2394	CP	AM tuner high-frequency amplifiers	15	10	50	200	150	1.0	10	6.0 to 32	5	20/38	5	10	5	2.9	5	1.0	5	1	-	-	
10	2SK242	CP	FM tuner high-frequency amplifiers	20	10	20	150	125	-	-	0.6 to 12	5	2.0/6.0	5	4	5	0.04	5	3.5	5	3	-	-	
11	2SK303	CP	General-purpose amplifiers, impedance converters	30	10	20	150	125	1.0	20	0.6 to 12	10	2.5/6.0	10	5	10	1.5	10	-	-	-	-	-	
12	2SK771	CP	Impedance converters	40	10	20	200	150	1.0	20	1.2 to 12	10	4.5/9.0	10	9	10	2.1	10	-	-	-	-	-	
13	2SK932	CP	AM tuner high-frequency amplifiers	15	10	50	200	150	-	-	5.0 to 24	5	25/50	5	10	5	3	5	1.5	5	1	-	-	
14	FC12	CP5	AM tuner high-frequency amplifiers	15	10	50	200	150	-	-	6.0 to 20	5	25/50	5	10	5	3.0	5	1.5	5	1	-	K932 C4639	
15	FC18	CP5	AM tuner high-frequency amplifiers	15	10	50	200	150	1.0	10	6.0 to 32	5	20/38	5	10	5	2.9	5	1.0	5	1	-	K2394 C4639	
16	FC13	CP6	General-purpose amplifiers, impedance converters	30	10	10	200	150	1.0	20	1.2 to 6.0	10	3.0/5.0	10	5	10	0.9	10	-	-	-	-	K303X2	
17	2SK2171	PCP	Analog switches, high-frequency amplifiers	40	10	100	400	150	1.0	20	40 to 75	10	22/30	10	11	10	2.5	10	1.5	10	1	30	-	
18	2SK2218	PCP	Analog switches, high-frequency amplifiers	15	10	100	400	150	1.0	10	40 to 75	5	24/32	5	5.5	5	1.6	5	1.3	5	5	30	-	
19	2SK1578	SPA	Capacitor microphones	20	10	1	100	150	-	-	100 to 800	5	0.4/1.2	5	4.1	5	0.88	5	-	-	-	-	-	
20	2SK212	SPA	FM tuner high-frequency amplifiers	20	10	20	200	125	-	-	0.6 to 12	5	2.0/6.0	5	4	5	0.04	5	3.5	5	3	-	-	
21	2SK2395	SPA	AM tuner high-frequency amplifiers	15	10	50	300	150	1.0	10	6.0 to 32	5	20/38	5	10.2	5	3.1	5	1.0	5	1	-	-	
22	2SK304	SPA	General-purpose amplifiers, impedance converters	30	10	20	150	125	1.0	20	1.2 to 12	10	2.5/6.0	10	5	10	1.5	10	-	-	-	-	-	
23	2SK315	SPA	FM tuner high-frequency amplifiers	20	10	25	200	125	-	-	2.5 to 24	5	6.0/12	5	8	5	0.08	5	2.2	5	6	-	-	
24	2SK427	SPA	AM tuner high-frequency amplifiers	15	10	20	200	125	-	-	1.2 to 12	5	8.0/17	5	7	5	2	5	1.5	5	1	-	-	
25	2SK546	SPA	General-purpose amplifiers, impedance converters	40	10	1	125	125	0.5	20	0.03 to 0.3	10	0.05/0.13	10	1.9	10	0.7	10	-	-	-	-	-	
26	2SK669	SPA	Ultrahigh-speed analog switching	50	-	100	200	125	-	-	I <sub>DSS</sub> = 1μA max,  Y <sub>fs</sub>   = 40mS, R <sub>DS(on)</sub> = 20Ω													
27	2SK715	SPA	AM tuner high-frequency amplifiers	15	10	50	300	125	-	-	5.0 to 24	5	25/50	5	10	5	3	5	1.5	5	1	-	-	
28	2SK772	SPA	General-purpose amplifiers, impedance converters	40	10	20	300	150	1.0	20	1.2 to 12	10	4.5/9.0	10	9	10	2.1	10	-	-	-	-	-	
29	2SK1961	NP	Analog switches, high-frequency amplifiers	15	10	100	500	150	1.0	10	40 to 75	5	24/32	5	5.5	5	1.6	5	1.3	5	1	24	-	
30	2SK222	NP	Low noise applications	40	10	20	300	125	-	-	0.6 to 12	10	12/17	10	14	10	3.5	10	0.6	10	3	-	-	
31	2SK223	NP	High-voltage applications	80	10	30	400	125	-	-	1.2 to 24	30	5/20	30	12	30	2.5	30	1.0	10	3	-	-	
32	2SK583	NP	Ultrahigh-speed analog switching	50	-	100	600	125	-	-	I <sub>DSS</sub> = 1μA max,  Y <sub>fs</sub>   = 40mS, R <sub>DS(on)</sub> = 20Ω													
33	2SK937	NP	Analog switches, high-frequency amplifiers	40	10	100	300	150	-	-	40 to 75	10	22/30	10	11	10	2.5	10	1.5	10	1	-	-	