

■ Silicon Junction FETs

Application	Package (No.)					Absolute Maximum Ratings (Ta = 25 °C)		Electrical Characteristics (Ta = 25 °C)			
	SS Mini Type (D1)	S Mini Type (D5)	Mini Type (D10)	New S Type (D39)	TO-92 (D49)	V _{DSO} * V _{GSS} (V)	I _D (mA)	V _{DS} (V)	NV * NF max. * typ. (mV)	gm min. * typ. (mS)	I _{SS} max. (mA)
General-use low frequency amplifier	2SJ0385	2SJ364	2SK1103 2SJ163	2SK1104 2SJ164		* -65 65	20 -20	— —	— —	2.5 2.5	6 -6
General-use		2SK662 2SK663	2SK198 2SK374		2SK301	30 -55	20 30	30 10	* 60 * ※2.5dB	4 2.5	12 20
Capacitor microphone			2SK123	2SK65 ¹⁾		20 12	2 2	4.5 4.5	0.004 0.004	1.6 0.5	0.4 0.8
Video camera pre-amp.			2SK1216			* -10	50	5	Ciss 4pF	20	14
Infrared sensor	△2SK2380		2SK1842			V _{GDO} -40	1	10	Ciss * 1pF	—	0.2

△Preliminary 1) S Type Package

■ Silicon MOS FETs

● For High Frequency

Application	Type No.	Absolute Maximum Ratings (Ta =25 °C)			Electrical Characteristics (Ta =25 °C)						Package	
		V _{DS} (V)	V _{G1S} V _{G2S} (V)	P _D (mW)	PG typ. (dB)	NF typ. (dB)	PG, NF Conditions					
							V _{DS} (V)	V _{G2S} (V)	I _D (mA)	f (GHz)	No.	
VHF RF Amp.	3SK202	15	±8	250	>25	<4.5	8	3	8	0.05	Cross Pack	D36
	3SK144	15	±8	150	23	<2.0	8	8	3	0.2	Mini Type (4 pins)	D11(a)
	3SK219	15	±8	150	21.5	<2.5	8	3	8	0.2	Mini Type (4 pins)	D11(a)
	3SK268	15	±8	150	20	<3.0	8	3	8	0.2	S Mini Type (4 pins)	D6
	△3SK286	15	±8	150	23	<2.5	8	3	8	0.2	Mini Type (4 pins)	D11(a)
UHF RF Amp.	3SK143	15	±8	200	15	<5.0	8	3	8	0.8	Mini Type (4 pins)	D11(a)
	△3SK285	13	±8	150	18.5	<3.0	6	4	8	0.8	Mini Type (4 pins)	D11(a)
VHF, CATV RF Amp.	3SK139	15	±8	150	22	<3.2	8	3	8	0.05	Mini Type (4 pins)	D11(a)
	3SK192	15	±8	150	17	<4.5	8	3	8	0.5	Mini Type (4 pins)	D11(a)
	3SK227	15	±8	150	20	2.7	6	4	8	0.8	Mini Type (4 pins)	D11(a)
	3SK269	15	±8	150	18.5	2.2	6	4	8	0.8	S Mini Type (4 pins)	D6
	3SK270	15	±8	150	15.5	2.8	6	4	8	0.5	S Mini Type (4 pins)	D6
	3SK271	15	±8	150	20.5	2.5	6	4	8	0.8	S Mini Type (4 pins)	D6
VHF Mixer	3SK169	15	±8	150	Ciss 4.5pF	Coss 1.7pF	10	—5	10	0.1	Mini Type (4 pins)	D11(a)

△Preliminary

● For Small Signal

Application	Structure	Type No.	Absolute Maximum Ratings (Ta = 25 °C)				Electrical Characteristics (Ta = 25 °C)				Package	
			V _{DS} * V _{DSS} (V)	V _{GS} (V)	I _D (A)	P _D (mW)	gm min. typ. * (mS)	R _{DS} (on) typ. (Ω)	t _{on} max. typ. * (ns)	t _{off} max. typ. * (ns)		
Digital/ analog switching	Nch	2SK601	80	20	0.5	1000	* 300	2	* 15	* 20	Mini Power Type	D16
		2SK614	80	20	0.5	750	* 300	2	* 15	* 20	TO-92	D49
		2SK615	80	20	0.5	1000	* 300	2	* 15	* 20	M Type	D40
		2SK620	50	8	0.1	150	20	40	10	20	Mini Type (3 pins)	D10
		2SK655	50	8	0.1	200	20	40	10	20	New S Type	D39
		2SK656	50	8	0.1	200	20	40	1000	1000	New S Type	D39
		2SK657	50	8	0.1	400	20	40	10	20	M Type	D40
		2SK658	20	8	0.1	400	20	40	1000	1000	M Type	D40
		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)	D9
		2SK1374 ※	50	10	0.05	150	* 39	27	2000	2000	S Mini Type (3 pins)	D5
	Pch	2SJ146	* -50	-8	-0.1	150	13	<150	40	60	Mini Type (3 pins)	D10

※2.5V Drive