

Field Effect Transistor

Small Signal FET

■ 2SK type (Junction type)

Part number	Package	Absolute maximum ratings (T _A = 25 °C)			Electrical characteristics (T _A = 25 °C)		Applications
		V _{GSD} (V)	I _D (mA)	P _T (mW)	Y _{fs1} (ms)	I _{DSS} (mA)	
2SK104	TO-92	30	20	250	2.5 TYP.	2.5 TYP.	HF amplification
2SK105	TO-92	50	20	250	2.1	2.5	AF amplification
2SK162	TO-92	40	50	400	45	18	AF low noise amplification
2SK163	TO-92	50	30	400	9.0	8.0	AF low noise amplification
2SK193	SST	20	10	250	3.5	2.5	FM tuner
2SK195	TO-92	20	10	250	3.5	2.5	FM tuner
2SK505	TO-92	15	50	400	19	20	Video band RF amplification
2SK507	SST	15	50	350	19	20	Video band RF amplification
2SK514	SST	50	20	250	1.8	3.5	AF amplification
2SK518	TO-92	30	50	400	17	60	HF amplification
2SK519	SST	30	50	350	17	60	HF amplification
2SK523	TO-92	50	30	400	9.0	8.0	AF low noise amplification
2SK533	TO-92	50	30	400	9.0	8.0	AF low noise amplification
2SK660	SST	20	10	100	150 (MAX.)	0.5 (MAX.)	ECM impedance conversion
2SK997	SST	20	10	100	0.27	0.5 (MAX.)	ECM impedance conversion
2SK998	TO-92	20	35	350	16	20	HF amplification
2SK1000	SST	22*	50	250	28	20	AM tuner, HF amplification
2SK1109	Mini mold	20	10	80	0.48	0.6 (MAX.)	ECM impedance conversion

*: V_{GSD}

■ 2SK type (MOS type) (1/2)

Part number	Package	Absolute maximum rating (T _A = 25 °C)				Electrical characteristics (T _A = 25 °C)							Applications
		V _{DSS} (V)	I _D		P _T (W)	y _{fs} (S)			R _{DS(on)} (Ω)				
			DC (A)	Pulse (A)		V _{DS} (V)	I _D (A)	MIN.	V _{GS} (V)	I _D (A)	TYP. MAX.		
2SK679A	TO-92	30	±0.5	±1.5	0.75	10	0.5	0.4	4	0.5	0.6	1.0	Switching
2SK680A	SC-62	30	±1.0	±2.0	1.0	10	0.5	0.4	4	0.5	0.6	1.0	
2SK681A	SP-8	30	±1.0	±2.0	1.0	10	0.5	0.4	4	0.5	0.6	1.0	
2SK1132	SST	50	0.1	0.2	0.25	5	0.02	0.03	4	0.02	30	50	
2SK1133	SC-59	50	0.1	0.2	0.2	5	0.02	0.03	4	0.02	30	50	
2SK1272	TO-92	60	±1.0	±2.0	0.75	10	0.5	0.4	4	0.5	—	1.0	
2SK1273	SC-62	60	±2.0	±4.0	2.0	10	0.5	0.4	4	0.5	—	1.0	

For further information, please contact:

NEC Corporation

NEC Building
7-1, Shiba 5-chome, Minato-ku
Tokyo 108-01, Japan
Tel: 03-3454-1111
Fax: 03-3798-6059

[North & South America]

NEC Electronics Inc.
475 Ellis Street
Mountain View, CA 94043-2203
Tel: 415-960-6000
800-366-9782
Fax: 415-965-6130
800-729-9288

[Regional Sales Offices]

Central Region
Greenpoint Tower
2800 West Higgins
Road Suite 765
Hoffman Estates,
IL 60195
Tel: 708-519-3930
Fax: 708-519-9329

Norcal Region

4677 Old Ironsides Dr. Suite 450
Santa Clara, CA 95054, U.S.A.
Tel: 408-986-1020
Fax: 408-988-4165

Eastern Region

901 Lake Destiny Drive
Suite 320
Maitland, FL 32751, U.S.A.
Tel: 407-875-1145
Fax: 407-875-0962

Western Region

One Embassy Centre
9020 S.W. Washington
Square Road
Suite 400
Tigard, OR 97223, U.S.A.
Tel: 503-671-0177
Fax: 503-643-5911

NEC do Brasil S.A.

Rua Verguciro, 1759-Vila Mariana
CEP 04101-000
São Paulo-SP, Brasil
Tel: 011-889-1680
Fax: 011-889-1689

[Europe]

NEC Electronics (Germany) GmbH
Kanzler Str.2,
40472 Düsseldorf
Germany
Tel: 0211-650302
Fax: 0211-6503490

Munich Office

Arabellastr. 17
81925 München, Germany
Tel: 089-921003-0
Fax: 089-913182

Stuttgart Office

Villastr. 1
70190 Stuttgart, Germany
Tel: 0711-16669-0
Fax: 0711-16669-19

Hannover Office

Koenigstr. 12
30175 Hannover, Germany
Tel: 0511-33402-0
Fax: 0511-33402-34

Benelux Office

Boschdijk 187a
5612 HB Eindhoven,
The Netherlands
Tel: 040-2445845
Fax: 040-2444580

Scandinavia Office

P.O.Box 134
18322 Taebby, Sweden
Tel: 8-6380820
Fax: 8-6380388

NEC Electronics (UK) Limited

Cygnus House, Sunrise Park Way,
Milton Keynes, MK14 6NP, U.K.
Tel: 01908-691-133
Fax: 01908-670-290

NEC Electronics (France) S.A.

9, rue Paul Dautier-BP 187
78142 Velizy-Villacoublay Cédex
France
Tel: 01-30-67-58-00
Fax: 01-30675899

Madrid Office

Juan Esplandiú, 15
28007 Madrid, Spain
Tel: 01-504-2787
Fax: 01-504-2860

NEC Electronics Italiana s.r.l.

Via Fabio Filzi, 25/A,
20124 Milano, Italy
Tel: 02-667541
Fax: 02-66754299

[Asia & Oceania]

NEC Electronics Hong Kong Limited

12/F., Cityplaza 4,
12 Taikoo Wan Road, Hong Kong
Tel: 2886-9318
Fax: 2886-9022/9044

Seoul Branch

10F, Ilsong Bldg, 157-37,
Samsung-Dong, Kangnam-Ku
Seoul, the Republic of Korea
Tel: 02-528-0303
Fax: 02-528-4411

NEC Electronics Taiwan Ltd.

7F, No. 363 Fu Shing North Road
Taipei, Taiwan, R. O. C
Tel: 02-719-2377
Fax: 02-719-5951

NEC Electronics Singapore Pte. Ltd.

101 Thomson Road #04-02/05
United Square, Singapore 307591
Tel: 253-8311
Fax: 250-3583