

Small-signal FETs

Features

- * Very low noise figure * Large $|Y_{fs}|$ * Low gate leak current
- * Small-sized package permitting FET-used sets to be made smaller

⚡ LF Amp, Low Noise, Analog Switch, Impedance Conversion Applications

* sign (PCP Package) Mounted on ceramic board (250mm²×0.8mm)

Type No. ():Marking	Package	Absolute Maximum Ratings/Ta=25°C			Electrical Characteristics/Ta=25°C					
		*VGDO VGDS (V)	I _D (mA)	P _D (mW)	Y _{fs} typ (mS)	C _{iss} typ (PF)	C _{rss} typ (PF)	V _{DS} (V)	I _{DSS} (mA)	
2SK2170(JA)	SMCP	-30	20	100	5	5	0.9	10	1.2 ~ 4.5	
2SK1068(B)	MCP	-40	1	100	0.13	1.7	0.7	10	0.03 ~ 0.3	
2SK1069(FJ)		-40	20	150	9	9	2.1	10	1.2 ~ 12	
2SK1332(V)		-30	20	150	5	5	0.9	10	0.6 ~ 6	
2SK2091(H)		-30	5	150	1.8	2.9	1.1	10	0.4 ~ 1.1	
2SK2219(D)		* -20	1	100	1.2	4.1	0.88	5	0.14 ~ 0.5	
2SK303(V)	CP	-30	IG	20	6	5	1.5	10	0.6 ~ 12	
2SK545(B)		-40	IG	10	100	-	1.7	0.7	10	0.03 ~ 0.3
2SK771(FJ)		-40	20	200	9	9	2.1	10	1.2 ~ 12	
2SK2076(H)		-30	5	150	1.6	2.9	1.1	10	0.4 ~ 1.1	
2SK2171(KM)	PCP	-40	100	*800	15	11	2.5	10	40 ~ 75	
2SK304	SPA	-30	IG	20	150	6	5	1.5	10	0.6 ~ 12
2SK546		-40	IG	10	100	0.13	1.9	0.7	10	0.03 ~ 0.3
2SK772		-40	20	300	9	9	2.1	10	1.2 ~ 12	
2SK1578		* -20	1	100	1.2	4.1	0.88	5	0.1 ~ 0.8	
2SK222	NP	-40	IG	10	300	17	14	3.5	10	1.2 ~ 12
2SK223		-80	IG	10	400	20	12	2.5	30	1.2 ~ 24

⚡ HF Amp Applications

2SK1065(T)	MCP	* -20	20	150	6	4	0.04	5	1.2 ~ 12
2SK242(T=)	CP	* -20	20	150	6	4	0.04	5	0.6 ~ 12
2SK968(GJ)		* -20	20	200	6	4	0.04	5	0.6 ~ 12
2SK1740(IJ)		-40	75	250	15	11	2.5	10	40 ~ 75
2SK2539(AK)		-15	50	200	21	4.9	1.4	5	10 ~ 50
2SK212		SPA	* -20	20	200	6	4	0.04	5
2SK315	* -20		25	200	12	8	0.08	5	2.5 ~ 24
2SK937	NP	-40	100	300	15	11	2.5	10	40 ~ 75

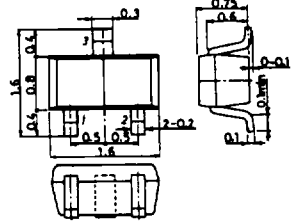
⚡ High gm, Wide-Band Amp Applications

2SK1066(A)	MCP	-15	20	150	17	7	2.0	5	3.5 ~ 12
2SK436(A)	CP	-15	20	150	17	7	2.0	5	1.2 ~ 12
2SK443(AJ)		-15	50	200	30	9	2.8	5	5 ~ 38
2SK932(E)		-15	50	200	50	10	3	5	5 ~ 24
2SK2073(VJ)		-15	50	200	30	9.5	2.7	5	6 ~ 20
2SK2394(YJ)		-15	50	200	38	10	2.9	5	6 ~ 32
2SK2218(KN)	PCP	-15	100	*800	32	5.5	1.6	5	40 ~ 75
2SK404	SPA	-20	20	200	10	7	1.8	5	1.2 ~ 12
2SK427		-15	20	200	17	7	2.0	5	1.2 ~ 12
2SK715		-15	50	300	50	10	3.0	5	5 ~ 24
2SK2074		-15	50	300	30	9.5	2.7	5	6 ~ 20
2SK2395		-15	50	300	33	10.2	3.1	5	6 ~ 32
2SK1961	NP	-15	100	500	32	5.5	1.6	5	40 ~ 75

Case Outlines (unit:mm)

SANYO:SMCP

1:Source, 2:Drain, 3:Gate.



SANYO:MCP

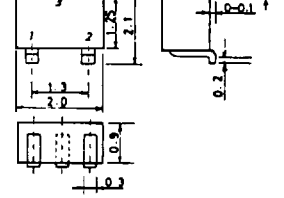
1:Source, 2:Drain, 3:Gate.

2SK1066, 2SK1068, 2SK1069, 2SK1332

2SK2091, 2SK2219.

1:Gate, 2:Drain, 3:Source.

2SK1065, 2SK1067, 2SK1839, 2SK2268



SANYO:CP

1:Gate, 2:Drain, 3:Source.

2SK242, 2SK536, 2SK543, 2SK1840,

2SK2269.

1:Drain, 2:Gate, 3:Source.

2SK968

1:Source, 2:Drain, 3:Gate.

2SK303, 2SK436, 2SK443, 2SK545,

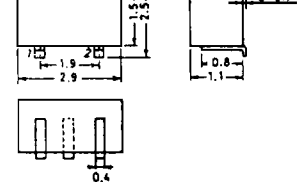
2SK771, 2SK932, 2SK1740, 2SK2073,

2SK2076, 2SK2394, 2SK2539.

1:Gate, 2:Source, 3:Drain.

2SK1847, 2SK1848, 2SK1849,

2SJ284, 2SJ285, 2SJ286.



SANYO:SPA

1:Drain, 2:Source, 3:Gate.

2SK212, 2SK315, 2SK544, 2SK669,

2SK1841, 2SK2270.

1:Source, 2:Gate, 3:Drain,

2SK304, 2SK404, 2SK427, 2SK546,

2SK715, 2SK772, 2SK1578, 2SK2074,

2SK2395.

1:Gate, 2:Drain, 3:Source.

2SK2395.

1:Gate, 2:Drain, 3:Source.

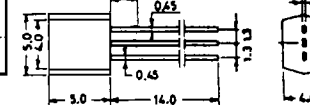
2SK2395.

1:Source, 2:Gate, 3:Drain.

2SK222, 2SK223, 2SK937, 2SK1961.

1:Drain, 2:Source, 3:Gate.

2SK583.



JEDEC : TO-92

EIAJ : SC-43