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_{GDO} (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	

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