

LOW NOISE APPLICATIONS

(Classified by package and arranged in order of increasing P_C . Minus sign for PNP is omitted due to space limitations.)

Type Number	Case	Applications	Absolute Maximum Ratings/ $T_a=25^\circ\text{C}$						Electrical Characteristics/ $T_a=25^\circ\text{C}$							
			V _{CB0}	V _{CE0}	V _{EB0}	I _C	P _C	T _j	V _{CB}	I _{CB0} (max)	V _{CE}	I _C	h _{FE}	V _{CE}	I _C	f _T
			[V]	[V]	[V]	[A]	[W]	[°C]								
2SA1238	DP6A,B	Diff. Amp.	55	50	5	150m	200m	150	35	0.1 μ	6	1m	100~560	6	1m	100
2SC3065	DP6A,B	Diff. Amp.	55	50	5	150m	200m	150	35	0.1 μ	6	1m	100~960	6	1m	100
2SA1240	DP6A,B	Diff. Amp.	130	120	5	50m	200m	150	80	0.1 μ	6	1m	160~560	6	1m	110
2SC3067	DP6A,B	Diff. Amp.	130	120	5	50m	200m	150	80	0.1 μ	6	1m	160~960	6	1m	130
2SK332	DP6A,B	Diff. Amp.	V _{DSS}	V _{GDS}	—	I _G	P _D	—	V _{GS}	I _{GSS}	V _{DS}	—	I _{DSS}	V _{DS}	—	Y _{fs}
			40	40	—	10m	200m	125	20	1.0 n	10	—	1.2~12mA	10	—	17mS
2SC693	NP	Low Noise AF Amp.	40	20	5	50m	100m	125	35	1.0 μ	6	1m	160~960	6	1m	100
2SA930	NP	Very Low Noise Amp.	40	35	5	50m	200m	125	30	0.1 μ	6	1m	160~960	6	1m	80
2SC1571	NP	Very Low Noise Amp.	40	35	5	100m	200m	125	18	0.1 μ	6	1m	160~960	6	1m	100
2SC1571L	NP	Very Low Noise Amp.	40	35	5	100m	200m	125	18	0.1 μ	6	1m	160~960	6	1m	100
2SA929	NP	Very Low Noise Amp.	55	50	5	50m	200m	125	30	0.1 μ	6	1m	160~960	6	1m	80
2SC1570	NP	Very Low Noise Amp.	55	50	5	100m	200m	125	18	0.1 μ	6	1m	160~960	6	1m	100
*2SA1391	NP	Very Low Noise Amp.	50	50	5	200m	400m	125	80	1.0 μ	6	1m	160~960	6	1m	130
2SC3382	NP	Very Low Noise Amp.	50	50	5	200m	400m	125	80	1.0 μ	6	1m	160~190	6	1m	130
2SA1016	NP	High Voltage Amp.	120	100	5	50m	400m	125	80	1.0 μ	6	1m	160~960	6	1m	110
2SC2362	NP	High Voltage Amp.	120	100	5	50m	400m	125	80	1.0 μ	6	1m	160~960	6	1m	130
2SA1016K	NP	High Voltage Amp.	150	120	5	50m	400m	125	80	1.0 μ	6	1m	160~960	6	1m	110
2SC2362K	NP	High Voltage Amp.	150	120	5	50m	400m	125	80	1.0 μ	6	1m	160~960	6	1m	130
			V _{DSS}	V _{GDS}	—	I _G	P _D	—	V _{GS}	I _{GSS}	V _{DS}	—	I _{DSS}	V _{DS}	—	Y _{fs}
2SK222	NP	AF Low Noise Amp.	40	40	—	10m	300m	125	20	10n	10	—	0.6~12mA	10	—	17mS

TRANSISTORS WITH RESISTOR BUILT IN

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			V _{CB0}	V _{CE0}	V _{EB0}	I _C	P _C	T _j	V _{CB}	I _{CB0} (max)	V _{CE}	I _C	h _{FE}	V _{CE}	I _C	f _T
			[V]	[V]	[V]	[A]	[W]	[°C]								
2SD1161	CP	Piezoelectric Buzzer Driver	30	15	5	30m	150m	150	15	0.1 μ	6	1m	90~400	6	1m	100
2SA1341	CP	Switching(R1=47K, R2=47K)	50	50	10	100m	200m	150	40	0.1 μ	5	5m	>50	10	5m	200
2SA1342	CP	Switching(R1=22K, R2=22K)	50	50	10	100m	200m	150	40	0.1 μ	5	5m	>50	10	5m	200
2SA1343	CP	Switching(R1=46K, R2=23K)	50	50	10	100m	200m	150	40	0.1 μ	5	5m	>50	10	5m	200
2SA1344	CP	Switching(R1=10K, R2=10K)	50	50	10	100m	200m	150	40	0.1 μ	5	5m	>50	10	5m	200
2SC3395	CP	Switching(R1=47K, R2=47K)	50	50	10	100m	200m	150	40	0.1 μ	5	5m	>50	10	5m	250
2SC3396	CP	Switching(R1=22K, R2=22K)	50	50	10	100m	200m	150	40	0.1 μ	5	5m	>50	10	5m	250

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