

Device	Package type	Applications	Absolute maximum ratings						Electrical characteristics (T _a = 25 °C)							
			V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	I _C (A)	P _C (W)	T _J (°C)	I _{CB0} max @ V _{CB}		hFE @ V _{CE} · I _C			f _T @ V _{CE} · I _C		
									I _{CB0} max (μA)	V _{CB} (V)	hFE	V _{CE} (V)	I _C (mA)	f _T (MHz)	V _{CE} (V)	I _C (mA)
FC150	CP6	High-gain audio amplifier (2SA1813/2SC4413)	30/60	25/50	15/15	0.15/ 0.1	0.2/0.2	150/150	0.1/0.1	20/40	500 to 1200/ 800 to 3200	5/5	1/10	210/200	10/10	10/10
2SC3651	PCP	High-gain audio amplifier	120	100	15	0.2	1.3*	150	0.1	80	500 to 2000	5	10	150	10	10
2SC3650	PCP	High-gain audio amplifier	30	25	15	1.2	1.5*	150	0.1	20	800 to 3200	5	500	220	10	50
2SA1766	PCP	High-gain audio amplifier	30	25	15	0.3	1.3*	150	0.1	20	500 to 1200	5	10	100	10	10
2SC4705	PCP	High-gain audio amplifier	60	50	15	0.2	1.3*	150	0.1	40	800 to 3200	5	100	250	10	10
2SC4390	PCP	Audio amplifier	20	10	15	2	1.3*	150	0.1	15	800 to 3200	2	500	260	10	50
2SK596	SPA	Electrostatic microphone impedance matching	20‡	—	—	0.01#	0.1**	125	—	—	100 to 800 μA§§	5	—	0.65 mS	5	—
2SK546	SPA	Impedance matching	40§	—	—	0.01#	0.1**	125	—	—	30 to 300 μA§§	10	—	0.7 pF##	10	—
2SK304	SPA	Audio amplifier	30§	—	—	0.01#	0.15**	125	1.0 nA‡‡	20††	0.6 to 12 mA§§	10	—	1.5 pF##	10	—
2SK404	SPA	Audio amplifier, HF amplifier	20***	—	—	0.01#	0.2**	125	1.0 nA‡‡	10††	1.2 to 12 mA§§	5	—	1.8 pF##	5	—
2SK772	SPA	Audio amplifier	40§	—	—	0.02#	0.3**	150	1.0 nA‡‡	20††	1.2 to 12 mA§§	10	—	2.1 pF##	10	—
2SA1253	SPA	High-V _{EB0} audio amplifier	60	50	15	0.2	0.25	150	0.1	40	100 to 560	6	1	100	6	1
2SC3135	SPA	High-V _{EB0} audio amplifier	60	50	15	0.2	0.25	150	0.1	40	100 to 560	6	1	100	6	1
2SA1683	SPA	Audio amplifier	100	80	5	0.5	0.3	150	0.1	60	100 to 400	5	50	120	10	10
2SC4414	SPA	Audio amplifier	100	80	5	0.5	0.3	150	0.1	60	100 to 400	5	50	120	10	10
2SC3576	SPA	High-gain audio amplifier	30	25	15	0.3	0.3	150	0.1	20	800 to 3200	5	10	250	10	10
2SC3820	SPA	High-gain audio amplifier	60	50	15	0.1	0.3	150	0.1	40	800 to 3200	5	10	200	10	10
2SA1782	SPA	Audio amplifier	55	50	6	0.15	0.3	150	0.1	35	135 to 600	6	1	180	6	10
2SC4640	SPA	Audio amplifier	55	50	6	0.15	0.3	150	0.1	35	135 to 600	6	1	200	6	10
2SA984K	SPA	Audio amplifier	100	80	5	0.5	0.6	150	0.1	40	60 to 320	5	50	120	10	10
2SK377	DP3	Electrostatic microphone impedance matching	20***	—	—	0.01#	0.1**	125	—	—	60 to 800 μA§§	5	—	—	—	—
2SK597	DP3	Electrostatic microphone impedance matching	20***	—	—	0.01#	0.1**	125	—	—	100 to 800 μA§§	5	—	0.65 pF##	5	—
2SK1806	DP3	Audio amplifier	30§	—	—	0.01#	0.25	150	—	—	0.6 to 6 mA§§	10	—	2.5 mS	10	—
2SA1237	DP6A, B	Differential amplifier	55	50	5	0.15	0.2	150	0.1	35	100 to 560	6	1	100	6	1
2SC3064	DP6A, B	Differential amplifier	55	50	5	0.15	0.2	150	0.1	35	100 to 960	6	1	100	6	1
2SA1239	DP6A, B	Differential amplifier	130	120	5	0.05	0.2	150	0.1	80	160 to 560	6	1	110	6	1
2SC3066	DP6A, B	Differential amplifier	130	120	5	0.05	0.2	150	0.1	80	160 to 960	6	1	130	6	1
2SA1246	NP	High-V _{EB0} audio amplifier	60	50	15	0.15	0.4	150	0.1	40	100 to 560	6	1	100	6	1
2SC3114	NP	High-V _{EB0} audio amplifier	60	50	15	0.15	0.4	150	0.1	40	100 to 560	6	1	100	6	1
2SA1392	NP	Audio amplifier	60	50	6	0.2	0.4	150	0.1	40	100 to 560	6	1	200	6	10
2SC3383	NP	Audio amplifier	60	50	6	0.2	0.4	150	0.1	40	100 to 560	6	1	250	6	10
2SA1437	NP	High-gain audio amplifier	120	100	15	0.05	0.5	150	0.1	80	400 to 1000	5	10	85	10	10
2SC3495	NP	High-gain audio amplifier	120	100	15	0.05	0.5	150	0.1	80	500 to 2000	5	10	170	10	10
2SC3792	NP	High-gain audio amplifier	50	20	25	0.5	0.5	150	0.1	40	300 to 1200	5	10	250	10	10
2SA1783	NP	Audio power amplifier	55	50	6	0.15	0.5	150	0.1	35	140 to 560	6	1	180	6	10
2SC4641	NP	Audio power amplifier	55	50	6	0.15	0.5	150	0.1	35	140 to 560	6	1	200	6	10
2SA1435	NP	High-gain audio amplifier	30	25	15	0.3	0.6	150	0.1	20	500 to 1200	5	10	100	10	10
2SC3068	NP	High-gain audio amplifier	30	25	15	0.3	0.6	150	0.1	20	800 to 3200	5	10	250	10	10
2SA1436	NP	High-gain audio amplifier	60	50	15	0.2	0.6	150	0.1	40	500 to 1200	5	10	100	10	10
2SC3069	NP	High-gain audio amplifier	60	50	15	0.2	0.6	150	0.1	40	800 to 3200	5	10	250	10	10
2SA984	NP	Audio power amplifier	60	50	5	0.5	0.6	150	1.0	40	60 to 320	5	50	120	10	10
2SC2274	NP	Audio power amplifier	60	50	5	0.5	0.6	150	1.0	40	60 to 320	5	50	120	10	10
2SA1450	NP	Audio output driver	100	80	5	0.5	0.6	150	0.1	60	100 to 400	5	50	120	10	10
2SC3708	NP	Audio output driver	100	80	5	0.5	0.6	150	0.1	60	100 to 560	5	50	120	10	10
2SC4204	NP	High-gain audio amplifier	30	25	15	0.7	0.6	150	0.1	20	800 to 3200	5	50	270	10	50
2SB560	MP	Audio power amplifier	100	80	5	0.7	0.9	150	1.0	20	60 to 560	5	50	100	10	50
2SD438	MP	Audio power amplifier	100	80	5	0.7	0.9	150	1.0	20	60 to 560	5	50	100	10	50
2SC3070	MP	High-gain audio amplifier	30	25	15	1.2	1.0	150	0.1	20	800 to 3200	5	500	220	10	50
2SC3071	MP	High-gain audio amplifier	120	100	15	0.2	1.0	150	0.1	80	500 to 2000	5	10	150	10	10
2SC4480*	NMP	Audio power amplifier	30	25	15	2.0	1.0	150	0.1	20	800 to 3200	5	500	260	10	50
2SA1562	TP	High-gain audio amplifier	30	25	15	1.2	15.0†	150	1.0	20	500 to 1200	5	100	130	10	50
2SC4736	FLP	High-gain audio amplifier	80	60	15	2.0	1.5	150	1.0	50	800 to 3200	5	500	170	10	50
2SB631	TO126	Audio power amplifier, medium-speed switch	100	100	5	1.0	8.0†	150	1.0	50	60 to 320	5	50	110	10	50
2SD600	TO126	Audio power amplifier, medium-speed switch	100	100	5	1.0	8.0†	150	1.0	50	60 to 320	5	50	130	10	50
2SB631K	TO126	Audio power amplifier, medium-speed switch	120	120	5	1.0	8.0†	150	1.0	50	60 to 320	5	50	110	10	50
2SD600K	TO126	Audio power amplifier, medium-speed switch	120	120	5	1.0	8.0†	150	1.0	50	60 to 320	5	50	130	10	50
2SB632	TO126	Audio power amplifier, medium-speed switch	25	25	5	2.0	10.0†	150	1.0	20	60 to 320	2	500	45	10	50
2SD612	TO126	Audio power amplifier, medium-speed switch	25	25	5	2.0	10.0†	150	1.0	20	60 to 320	2	500	100	10	50