

Device	Package type	Applications	Absolute maximum ratings						Electrical characteristics (T _a = 25 °C)							
			V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	I _c (mA)	P _c (mW)	T _j (°C)	I _{CB0} max @ V _{CB}		h _{FE} @ V _{CE} · I _c		f _T @ V _{CE} · I _c			
									I _{CB0} max (μA)	V _{CB} (V)	h _{FE}	V _{CE} (V)	I _c (mA)	f _T (MHz)	V _{CE} (V)	I _c (mA)
2SA1528	NP	Switch (R1 = 2.2 kΩ, R2 = 10 kΩ)	50	50	6	500	600	150	0.1	40	> 50	5	10	200	10	5
2SA1529	NP	Switch (R1 = 2.2 kΩ, R2 = 2.2 kΩ)	50	50	6	500	600	150	0.1	40	> 50	5	50	200	10	5
2SC3920	NP	Switch (R1 = 10 kΩ, R2 = 10 kΩ)	50	50	10	500	600	150	0.1	40	> 50	5	10	250	10	5
2SC3921	NP	Switch (R1 = 4.7 kΩ, R2 = 4.7 kΩ)	50	50	6	500	600	150	0.1	40	> 50	5	20	250	10	5
2SC3922	NP	Switch (R1 = 2.2 kΩ, R2 = 10 kΩ)	50	50	6	500	600	150	0.1	40	> 50	5	10	250	10	5
2SC3923	NP	Switch (R1 = 2.2 kΩ, R2 = 2.2 kΩ)	50	50	6	500	600	150	0.1	40	> 50	5	50	250	10	5

Note Listed by package type and arranged in order of increasing P_c.

General-Application Transistors

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}		h _{FE} @ V _{CE} · I _c		f _T @ V _{CE} · I _c			
									I _{CB0} max (μA)	V _{CB} (V)	h _{FE}	V _{CE} (V)	I _c (mA)	f _T (MHz)	V _{CE} (V)	I _c (mA)
2SA1864*	SMCP	Muting circuit	15	15	10	0.1	0.15	150	0.1	10	> 50	2	20	600	5	10
2SA1865*	SMCP	Muting circuit	15	15	10	0.1	0.15	150	0.1	10	> 50	2	10	600	5	10
2SA1866*	SMCP	Muting circuit	15	15	10	0.05	0.15	150	0.1	10	> 100	2	5	600	5	10
2SC4919*	SMCP	Muting circuit	25	15	5	0.1	0.15	150	0.1	15	800 to 3200	2	5	240	5	10
2SC4920*	SMCP	Muting circuit	25	20	10	0.1	0.15	150	0.1	20	> 80	2	20	240	5	10
2SC4921*	SMCP	Muting circuit	25	20	10	0.1	0.15	150	0.1	20	> 100	2	10	240	5	10
2SC4922*	SMCP	Muting circuit	25	20	10	0.1	0.15	150	0.1	20	> 200	2	5	240	5	10
2SA1622	MCP	Audio amplifier	55	50	6	0.15	0.15	150	0.1	35	135 to 600	6	1	180	6	10
2SC4211	MCP	Audio amplifier	55	50	6	0.15	0.15	150	0.1	35	135 to 600	6	1	200	6	10
2SA1687	MCP	High-V _{EB0} audio amplifier	60	50	15	0.15	0.15	150	0.1	40	135 to 600	6	1	130	6	1
2SC4446	MCP	High-V _{EB0} audio amplifier	60	50	15	0.15	0.15	150	0.1	40	135 to 600	6	1	130	6	1
2SC4413	MCP	High-gain audio amplifier	60	50	15	0.1	0.15	150	0.1	40	800 to 3200	5	10	200	10	10
2SA1813	MCP	High-gain audio amplifier	30	25	15	0.15	0.15	150	0.1	20	500 to 1200	5	1	210	10	10
2SC4694	MCP	High-gain audio amplifier	50	20	25	0.5	0.15	150	0.1	40	300 to 1200	5	10	250	10	10
2SA1838*	MCP	Muting circuit	15	10	5	0.1	0.2	150	0.1	12	200 to 600	2	5	600	5	10
2SC4851	MCP	Audio amplifier	25	15	5	0.1	0.2	150	0.1	15	800 to 3200	2	5	240	5	10
2SC4909	MCP	Muting circuit, driver	25	20	10	0.1	0.2	150	0.1	20	> 200	2	5	240	5	10
2SK303	CP	Audio amplifier	30§	—	—	0.01#	0.15**	125	1.0 nA††	20††	0.6 to 12 mA§§	10	—	6.0 mS	10	—
2SC3661	CP	High-gain audio amplifier	30	25	15	0.3	0.2	125	0.1	20	800 to 3200	5	10	250	10	10
2SA1252	CP	High-V _{EB0} audio amplifier	60	50	15	0.15	0.2	125	0.1	40	100 to 560	6	1	100	6	1
2SC3134	CP	High-V _{EB0} audio amplifier	60	50	15	0.15	0.2	125	0.1	40	100 to 560	6	1	100	6	1
2SA1434	CP	High-gain audio amplifier	60	50	15	0.1	0.2	125	0.1	40	500 to 1200	5	10	100	10	10
2SC3689	CP	High-gain audio amplifier	60	50	15	0.1	0.2	125	0.1	40	800 to 3200	5	10	200	10	10
2SK771	CP	Audio amplifier	40§	—	—	0.01#	0.2**	150	1.0 nA††	20††	1.2 to 12 mA§§	10	—	—	—	—
2SA1781	CP	Audio amplifier	55	50	6	0.15	0.2	150	0.1	35	135 to 600	6	1	180	6	10
2SA1814	CP	High-gain audio amplifier	30	25	15	0.15	0.2	150	0.1	20	500 to 1200	5	1	210	10	10
2SC4639	CP	Audio amplifier	55	50	6	0.15	0.2	150	0.1	35	135 to 600	6	1	200	6	10
2SA1839*	CP	Muting circuit	15	10	5	0.1	0.25	150	0.1	12	200 to 600	2	5	600	5	10
2SC4695	CP	High-gain audio amplifier	50	20	25	0.5	0.25	150	0.1	40	300 to 1200	5	10	250	10	10
2SC4852	CP	Audio amplifier	25	15	5	0.1	0.25	150	0.1	15	800 to 3200	2	5	240	5	10
2SK334	CP3	Electrostatic microphone impedance matching	20‡	—	—	0.01#	0.1**	125	—	—	60 to 800 μA§§	10	—	—	—	—
2SK595	CP3	Electrostatic microphone impedance matching	20‡	—	—	0.01#	0.1**	125	—	—	100 to 800 μA§§	5	—	1.2 mS	5	—
FC11*	CP5	Audio amplifier	40†††	40§	10 mA#	10 mA†††	0.2**	150	1 nA††	20††	1.2 to 6.0 mA§§	10	—	9 mS	10	—
FC103	CP5	Audio amplifier (2SA1622 × 2)	55	50	6	0.15	0.2	150	0.1	35	160 to 600	6	1	180	6	10
FC104	CP5	Audio amplifier (2SC4211 × 2)	55	50	6	0.15	0.2	150	0.1	35	160 to 600	6	1	200	6	10
FC153*	CP5	Audio amplifier	55	50	6	0.1	0.2	150	0.1	35	160 to 600	6	1	(180) 200	6	10
FC13	CP6	Differential amplifier (2SK303 × 2)	30§	—	—	0.01#	0.2**	150	1 nA††	20††	1.2 to 6 mA§§	10	—	5 mS	10	—
FC101	CP6	Audio amplifier (2SA1622 × 2)	55	50	6	0.15	0.2	150	0.1	35	160 to 600	6	1	180	6	10
FC102	CP6	Audio amplifier (2SC4211 × 2)	55	50	6	0.15	0.2	150	0.1	35	160 to 600	6	1	200	6	10
FC122	CP6	Audio amplifier (2SA1622/2SC4211)	55	50	6	0.15	0.2	150	0.1	35	135 to 600	6	1	(180) 200	6	10
FC141	CP6	Audio amplifier (2SC4211 × 2 in parallel)	55	50	6	0.15	0.2	150	0.1	35	135 to 600	6	1	200	6	10
FC139	CP6	High-gain audio amplifier (2SC3689 × 2)	60	50	15	0.1	0.2	150	0.1	40	800 to 3200	5	10	200	10	10
FC149	CP6	High-gain audio amplifier (2SA1813 × 2)	30	25	15	0.15	0.2	150	0.1	20	500 to 1200	5	1	210	10	10

Continued on next page