

| Device | Package type | Applications | Absolute maximum ratings | | | | | | Electrical characteristics (T _a = 25 °C) | | | | | | | |
|---------|--------------|-----------------------------------|--------------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---|---------------------|--|---------------------|---------------------|---|---------------------|---------------------|
| | | | V _{CE0} (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 _{CE0} (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 |

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