

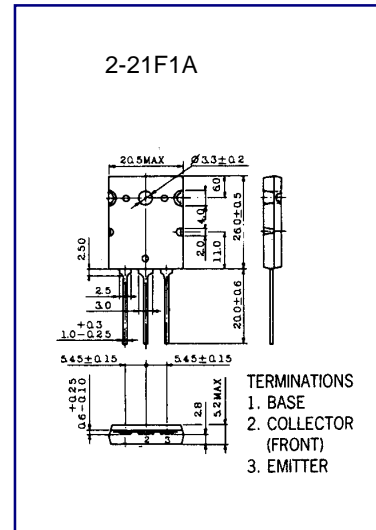


**2SA1302**

**PNP PLANAR SILICON TRANSISTOR**

**AUDIO POWER AMPLIFIER  
DC TO DC CONVERTER**

- High Current Capability
- High Power Dissipation
- Complementary to 2SC3281



**ABSOLUTE MAXIMUM RATING (Ta=25°C)**

| Characteristic            | Symbol | Rating  | Unit |
|---------------------------|--------|---------|------|
| Collector-Base Voltage    | VCBO   | -200    | V    |
| Collector-Emitter Voltage | VCEO   | -200    | V    |
| Emitter-Base voltage      | VEBO   | -6      | V    |
| Collector Current (DC)    | IC     | -15     | A    |
| Collector Dissipation     | PC     | 150     | W    |
| Junction Temperature      | Tj     | 150     | °C   |
| Storage Temperature       | Tstg   | -55~150 | °C   |

**ELECTRICAL CHARACTERISTICS (Ta=25°C)**

| Characteristic                        | Symbol   | Test Condition | Min  | Typ | Max  | Unit |
|---------------------------------------|----------|----------------|------|-----|------|------|
| Collector Base Breakdown Voltage      | BVCBO    | IC=-10 mA IE=0 | -200 |     |      | V    |
| Collector Emitter Breakdown Voltage   | BVCEO    | IC=-5 mA RBE=∞ | -200 |     |      | V    |
| Emitter Base Breakdown Voltage        | BVEBO    | IE=-4mA IC=0   | -6   |     |      | V    |
| Collector Cutoff Current              | ICBO     | VCB=-100V IE=0 |      |     | -0.1 | mA   |
| Emitter Cutoff Current                | IEBO     | VEB=-4V IC=0   |      |     | -0.1 | mA   |
| *DC Current Gain                      | hFE1     | VCE=-5V IC=-1A | 55   |     | 160  |      |
| DC Current Gain                       | hFE2     | VCE=-5V IC=-5A | 50   |     |      |      |
| Collector- Emitter Saturation Voltage | VCE(sat) | IC=-10A IB=-1A |      |     | -3.0 | V    |