



2SC3281

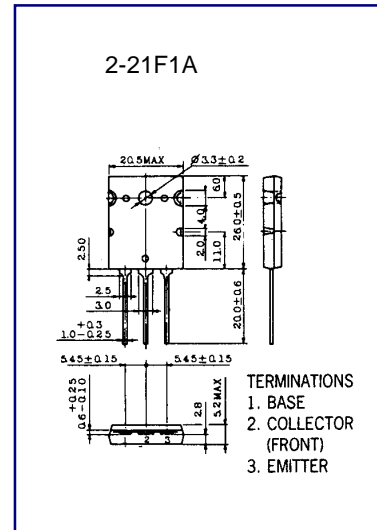
NPN PLANAR SILICON TRANSISTOR

AUDIO POWER AMPLIFIER DC TO DC CONVERTER

- High Current Capability
- High Power Dissipation
- Complementary to 2SA1302

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 |