

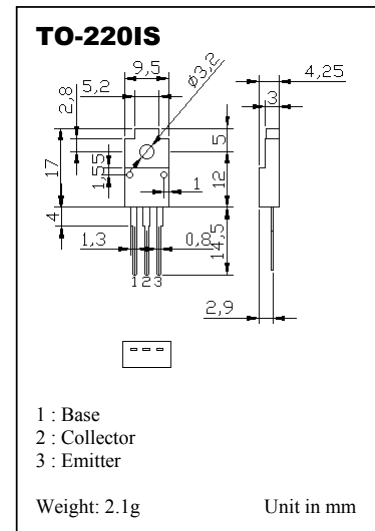
PNP SILICON EPITAXIAL PLANAR TRANSISTOR

...designed for Audio, Series Regulator and General Purpose

...complementary to PMD2495

MAXIMUM RATINGS (T_a = 25 °C)

| Characteristic | Symbol | Value | Unit |
|--|------------------|-----------|------|
| Collector Base Voltage | V _{CB0} | -110 | V |
| Collector Emitter Voltage | V _{CE0} | -110 | V |
| Emitter Base Voltage | V _{EB0} | -5 | V |
| Collector Current | I _C | -6 | A |
| Base Current | I _B | -1 | A |
| Collector Dissipation T _C = 25 °C | P _C | 30 | W |
| Junction Temperature | T _J | 150 | °C |
| Storage Temperature Range | T _{stg} | -55 ~ 150 | °C |



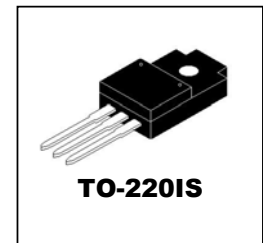
ELECTRICAL CHARACTERISTICS (T_a = 25 °C)

| Characteristic | Symbol | Test Condition | Min. | Typ. | Max. | Unit |
|--------------------------------------|----------------------|--|------|------|-------|------|
| Collector Cutoff Current | I _{CBO} | V _{CB} = -110V | - | - | -100 | μA |
| Emitter Cutoff Current | I _{EB0} | V _{EB} = -5V | - | - | -100 | μA |
| Collector Emitter Breakdown Voltage | V _{(BR)CEO} | I _C = -30mA | -110 | - | - | V |
| DC Current Gain | h _{FE} | V _{CE} = -4V, I _C = -5A | 5000 | - | 30000 | - |
| Collector Emitter Saturation Voltage | V _{CE(sat)} | I _C = -5A, I _B = -5mA | - | - | -2.5 | V |
| Base Emitter Saturation Voltage | V _{BE(sat)} | I _C = -5A, I _B = -5mA | - | - | -3 | V |
| Transition Frequency | f _r | V _{CE} = -12V, I _E = -0.5A | - | 100 | - | MHz |
| Output Capacitance | C _{ob} | V _{CB} = -10V, f = 1MHz | - | 110 | - | pF |

**PNP SILICON
EPITAXIAL
PLANAR
TRANSISTOR**

CLASSIFICATIONS OF h_{FE}

| Rank | O | P | Y |
|-------|---------------|---------------|----------------|
| Range | 5000 to 12000 | 6500 to 20000 | 15000 to 30000 |



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