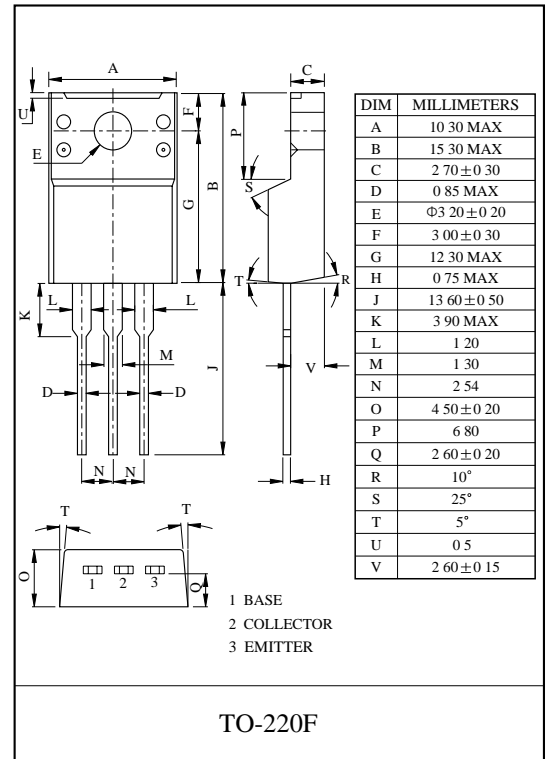


GENERAL PURPOSE APPLICATION.

MAXIMUM RATING (Ta=25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|-----------------------------|-----------|----------|------|
| Collector-Base Voltage | V_{CBO} | -100 | V |
| Collector-Emitter Voltage | V_{CEO} | -100 | V |
| Emitter-Base Voltage | V_{EBO} | -5 | V |
| Collector Current | DC | I_C | -6 |
| | Pulse | I_{CP} | -10 |
| Base Current | I_B | -2 | A |
| Collector Power Dissipation | Ta=25°C | P_C | 2 |
| | Tc=25°C | | 25 |
| Junction Temperature | T_j | 150 | °C |
| Storage Temperature Range | T_{stg} | -55~150 | °C |



ELECTRICAL CHARACTERISTICS (Ta=25°C)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--------------------------------------|----------------|-------------------------------|------|------|------|------|
| Collector Emitter Sustaining Voltage | $V_{CEO(SUS)}$ | $I_C = -30mA, I_B = 0$ | -100 | - | - | V |
| Collector Cut-off Current | I_{CEO} | $V_{CE} = -60V, I_B = 0$ | - | - | -0.7 | mA |
| Collector Cut-off Current | I_{CES} | $V_{CE} = -100V, V_{EB} = 0$ | - | - | -400 | uA |
| Emitter Cut-off Current | I_{EBO} | $V_{EB} = -5V, I_C = 0$ | - | - | -1 | mA |
| DC Current Gain | h_{FE} | $V_{CE} = -4V, I_C = -0.3A$ | 30 | - | - | |
| | | $V_{CE} = -4V, I_C = -3A$ | 15 | - | 75 | |
| Collector-Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C = -6A, I_B = -600mA$ | - | - | -1.5 | V |
| Base-Emitter On Voltage | $V_{BE(on)}$ | $V_{CE} = -4V, I_C = -6A$ | - | - | -2.0 | V |
| Transition Frequency | f_T | $V_{CE} = -10V, I_C = -500mA$ | 3.0 | - | - | MHz |

