

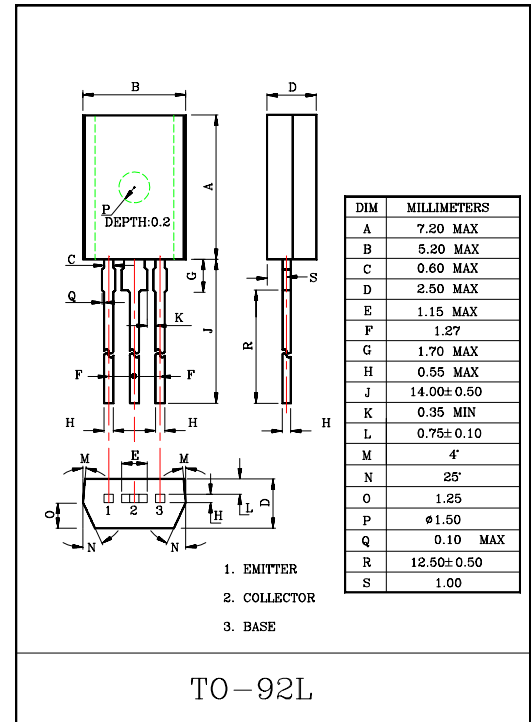
CB TRANSCEIVER TX DRIVER APPLICATION.

FEATURES

- Recommended for Driver Stage Application of AM 4W Transmitter.
- High Power Gain.
- Wide Area of Safe Operation.

MAXIMUM RATINGS (Ta=25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|-----------------------------|-----------|---------|------|
| Collector-Base Voltage | V_{CBO} | 80 | V |
| Collector-Emitter Voltage | V_{CER} | 80 | V |
| Emitter-Base Voltage | V_{EBO} | 5 | V |
| Collector Current | I_C | 800 | mA |
| Emitter Current | I_E | -800 | mA |
| Collector Power Dissipation | P_C | 1 | W |
| 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 Cut-off Current | I_{CBO} | $V_{CB}=60V, I_E=0$ | - | - | 0.1 | μA |
| Collector Cut-off Current | I_{CER} | $V_{CE}=80V, R_{BE}=220\Omega$ | - | - | 0.1 | μA |
| Emitter Cut-off Current | I_{EBO} | $V_{EB}=5V, I_C=0$ | - | - | 0.1 | μA |
| DC Current Gain | h_{FE} | $V_{CE}=2V, I_C=150mA$ | 100 | - | - | |
| Collector-Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C=500mA, I_B=20mA$ | - | - | 0.7 | V |
| Base-Emitter Voltage | V_{BE} | $V_{CE}=2V, I_C=500mA$ | - | 0.9 | - | V |
| Transition Frequency | f_T | $V_{CE}=10V, I_C=100mA$ | - | 150 | - | MHz |
| Collector Output Capacitance | C_{ob} | $V_{CB}=10V, I_E=0, f=1MHz$ | - | 12 | - | pF |

KTC1006

