

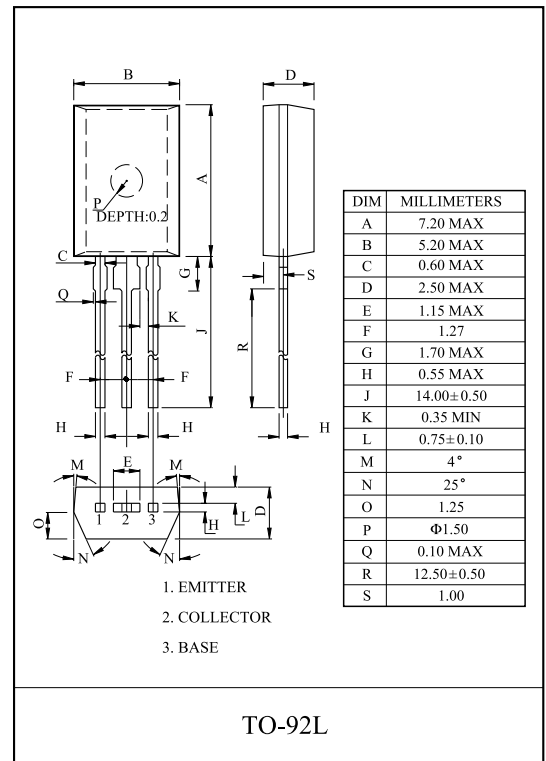
COLOR TV VERT. DEFELECTION OUTPUT APPLICATION.
COLOR TV CLASS B SOUND OUTPUT APPLICATION.

FEATURES

- High Voltage : $V_{CEO}=160V$.
- Large Continuous Collector Current Capability.
- Recommended for Vert. Deflection Output & Sound Output Applications for Line Operated TV.
- Complementary to KTA1275.

MAXIMUM RATING (Ta=25)

| CHARACTERISTIC | | SYMBOL | RATING | UNIT |
|-----------------------------|-------|-----------|---------|------|
| Collector-Base Voltage | | V_{CBO} | 160 | V |
| Collector-Emitter Voltage | | V_{CEO} | 160 | V |
| Emitter-Base Voltage | | V_{EBO} | 6 | V |
| Collector Current | DC | I_C | 1 | A |
| | Pulse | I_{CP} | 2 | |
| Base Current | | I_B | 0.5 | A |
| Collector Power Dissipation | | P_C | 1 | W |
| Junction Temperature | | T_j | 150 | |
| Storage Temperature Range | | T_{stg} | -55 150 | |



ELECTRICAL CHARACTERISTICS (Ta=25)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--------------------------------------|-----------------|-----------------------------|------|------|------|---------|
| Collector Cut-off Current | I_{CBO} | $V_{CB}=150V, I_E=0$ | - | - | 1.0 | μA |
| Emitter Cut-off Current | I_{EBO} | $V_{EB}=6V, I_C=0$ | - | - | 1.0 | μA |
| Collector-Emitter Breakdown Voltage | $V_{(BR)CEO}$ | $I_C=10mA, I_B=0$ | 160 | - | - | V |
| DC Current Gain | h_{FE} (Note) | $V_{CE}=5V, I_C=200mA$ | 60 | - | 320 | |
| Collector-Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C=500mA, I_B=50mA$ | - | - | 1.5 | V |
| Base-Emitter Voltage | V_{BE} | $V_{CE}=5V, I_C=5mA$ | 0.45 | - | 0.75 | V |
| Transition Frequency | f_T | $V_{CE}=5V, I_C=200mA$ | 20 | 100 | - | MHz |
| Collector Output Capacitance | C_{ob} | $V_{CB}=10V, I_E=0, f=1MHz$ | - | - | 20 | pF |

Note : h_{FE} Classification R:60 120 0:100 200, Y:160 320

KTC3228

