

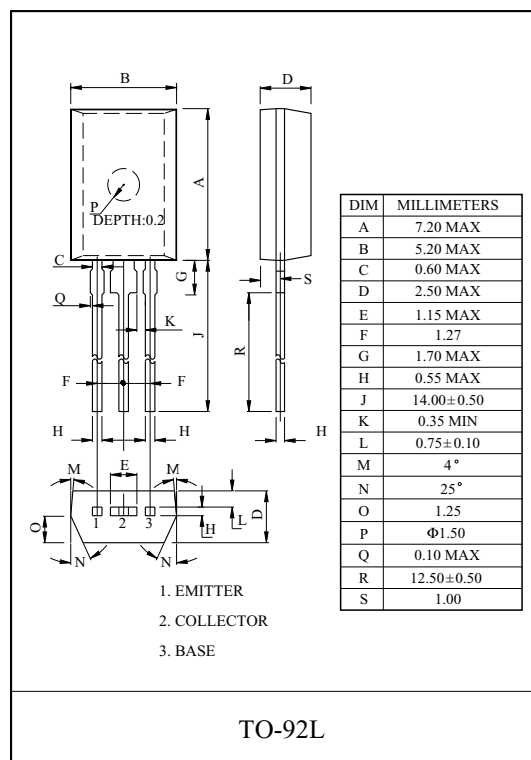
COLOR TV VERT. DEFELECTION OUTPUT APPLICATION.  
COLOR TV CLASS B SOUND OUTPUT APPLICATION.

## FEATURES

- High Voltage :  $V_{CEO}=-160V$ .
- Large Continuous Collector Current Capability.
- Complementary to KTC3228.

MAXIMUM RATING ( $T_a=25^{\circ}C$ )

| 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           | $I_C$     | -1        | A           |
| Base Current                | $I_B$     | -0.5      | A           |
| Collector Power Dissipation | $P_C$     | 1         | W           |
| Junction Temperature        | $T_j$     | 150       | $^{\circ}C$ |
| Storage Temperature Range   | $T_{stg}$ | -55 ~ 150 | $^{\circ}C$ |

ELECTRICAL CHARACTERISTICS ( $T_a=25^{\circ}C$ )

| CHARACTERISTIC                       | SYMBOL          | TEST CONDITION               | MIN.  | TYP. | MAX.  | UNIT    |
|--------------------------------------|-----------------|------------------------------|-------|------|-------|---------|
| Collector Cut-off Current            | $I_{CBO}$       | $V_{CB}=-150V, I_E=0$        | -     | -    | -1.0  | $\mu A$ |
| Emitter Cut-off Current              | $I_{EBO}$       | $V_{EB}=-6V, I_C=0$          | -     | -    | -1.0  | $\mu A$ |
| 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 Saturation Voltage      | $V_{BE(sat)}$   | $I_C=-500mA, I_B=-50mA$      | -     | -    | -1.2  | V       |
| Base-Emitter Voltage                 | $V_{BE}$        | $V_{CE}=-5V, I_C=-5mA$       | -0.45 | -    | -0.75 | V       |
| Transition Frequency                 | $f_T$           | $V_{CE}=-5V, I_C=-200mA$     | 15    | 50   | -     | MHz     |
| Collector Output Capacitance         | $C_{ob}$        | $V_{CB}=-10V, I_E=0, f=1MHz$ | -     | -    | 35    | pF      |

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

