

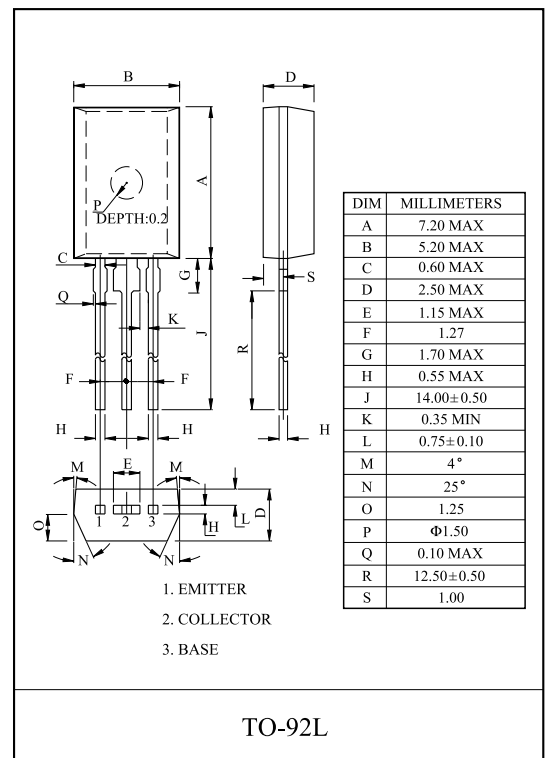
COLOR TV VERT. DEFELECTION OUTPUT APPLICATION.  
COLOR TV CLASS B SOUND OUTPUT APPLICATION.

#### 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 ( $T_a=25^\circ C$ )

| 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           | 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     | $^\circ C$ |
| 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 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

