查询"2SA1275"供应商

# 2SA1275

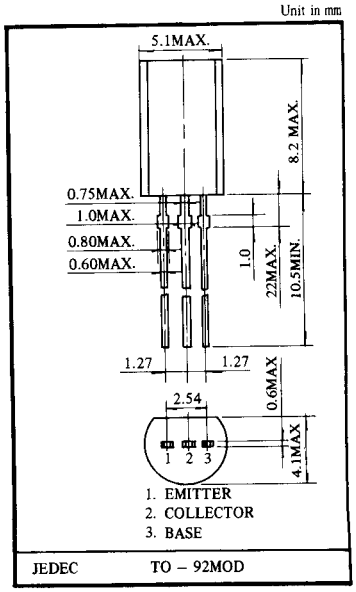
## SILICON PNP TRANSISTOR
## EPITAXIAL PLANAR TYPE (PCT PROCESS)

### APPLICATIONS

- Color TV VERT. Deflection Output.
- Color TV Class B Sound Output.

### 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 2SC3228.




### MAXIMUM RATINGS (Ta = 25℃)

| CHARACTISTIC | 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 |

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---|---|---|---|
| Base Current | $I_B$ | − 0.5 | A |
| Collector Power Dissipation | $P_C$ | 900 | mW |
| 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 | 15 | 50 | − | MHz |
| Collector Output Capacitance | $C_{ob}$ | $V_{CB}$ = − 10V, $I_E$ = 0, f = 1MHz | − | − | 35 | pF |

### NOTE: According to $h_{FE}$, Classified as follows.

| | | | | | |
|---|---|---|---|---|---|
| R | 60 − 120 | O | 100 − 200 | Y | 160 − 320 |