

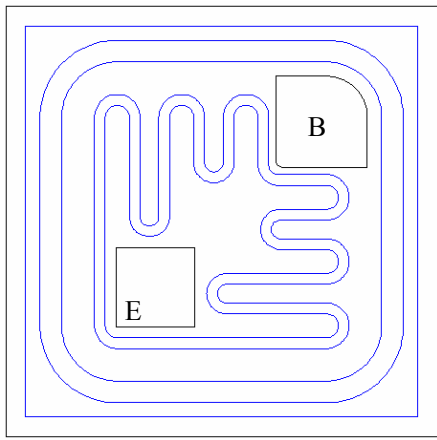
## A92 Silicon PNP Epitaxial Transistor

Description: The A92 is designed for application as a video output to drive color CRT,  
or as a dialer circuit in electronics telephone

Features: ●High voltage:  $V_{CEO}=300V$

●Complementary to A42

### Chip Appearance

|  |                   |         |               |
|--|-------------------|---------|---------------|
|  | Chip Size         |         | 600um × 600um |
|  | Chip Thickness    |         | 210 ± 20um    |
|  | Bonding Pad Size  | Base    | 127um × 127um |
|  |                   | Emitter | 110um × 110um |
|  | Front Metal       |         | Al            |
|  | Backside Metal    |         | Au            |
|  | Scribe line width |         | 55um          |
|  | Wafer Size        |         | 6 inch        |

### Electrical Characteristics( $T_a=25^{\circ}C$ )

| Characteristic                      | Symbol        | Test Condition           | Min  | Max   | Unit |
|-------------------------------------|---------------|--------------------------|------|-------|------|
| Collector Cutoff Current            | $I_{CBO}$     | $V_{CB}=-200V, I_E=0$    |      | -0.25 | uA   |
| Emitter Cutoff Current              | $I_{EBO}$     | $V_{EB}=-5V, I_C=0$      |      | -0.1  | uA   |
| Collector-Base Breakdown Voltage    | $BV_{CBO}$    | $I_C=-0.1mA$             | -300 |       | V    |
| Collector-Emitter Breakdown Voltage | $BV_{CEO}$    | $I_C=-1mA$               | -300 |       | V    |
| Emitter-Base Breakdown Voltage      | $BV_{EBO}$    | $I_E=-0.1mA$             | -5   |       | V    |
| DC Current Gain                     | $h_{FE}$      | $V_{CE}=-10V, I_C=-10mA$ | -60  | -300  |      |
| Collector Saturation Voltage        | $V_{CE(sat)}$ | $I_C=-20mA, I_B=-2mA$    |      | -0.5  | V    |