

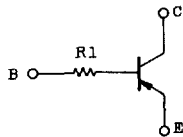
# RN2210, 2211

SWITCHING, INVERTER CIRCUIT, INTERFACE CIRCUIT  
AND DRIVER CIRCUIT APPLICATIONS.

**FEATURES:**

- . With Built-in Bias Resistors
- . Simplify Circuit Design
- . Reduce a Quantity of Parts and Manufacturing Process
- . Complementary to RN1210, RN1211

**EQUIVALENT CIRCUIT**



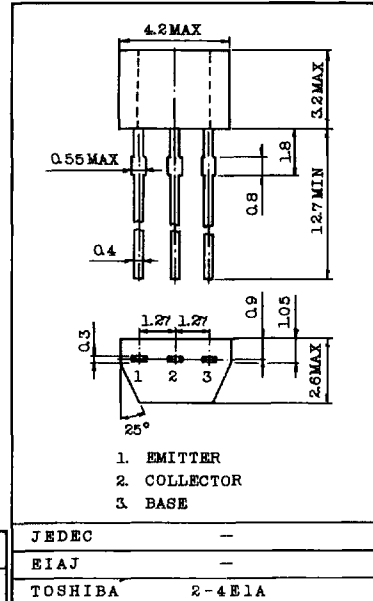
**MAXIMUM RATINGS (Ta=25°C)**

| CHARACTERISTIC              | SYMBOL | RATING  | UNIT |
|-----------------------------|--------|---------|------|
| Collector-Base Voltage      | VCBO   | -50     | V    |
| Collector-Emitter Voltage   | VCEO   | -50     | V    |
| Emitter-Base Voltage        | VEBO   | -5      | V    |
| Collector Current           | IC     | -100    | mA   |
| Collector Power Dissipation | PC     | 300     | mW   |
| Junction Temperature        | Tj     | 150     | °C   |
| Storage Temperature Range   | Tstg   | -55~150 | °C   |

**ELECTRICAL CHARACTERISTICS (Ta=25°C)**

| CHARACTERISTIC                       | SYMBOL   | TEST CONDITION         | MIN. | TYP. | MAX. | UNIT |
|--------------------------------------|----------|------------------------|------|------|------|------|
| Collector Cut-off Current            | ICBO     | VCB=-50V, IE=0         | -    | -    | -100 | nA   |
| Emitter Cut-off Current              | IEBO     | VEB=-5V, IC=0          | -    | -    | -100 | nA   |
| DC Current Gain                      | hFE      | VCE=-5V, IC=-1mA       | 120  | -    | 400  |      |
| Collector-Emitter Saturation Voltage | VCE(sat) | IC=-5mA, IB=-0.25mA    | -    | -0.1 | -0.3 | V    |
| Transition Frequency                 | fT       | VCE=-10V, IC=-5mA      | -    | 200  | -    | MHz  |
| Collector Output Capacitance         | Cob      | VCB=-10V, IE=0, f=1MHz | -    | 3    | 6    | pF   |
| Input Resistor                       | RN2210   | R1                     | 3.29 | 4.7  | 6.11 | kΩ   |
|                                      | RN2211   |                        | 7    | 10   | 13   |      |

Unit in mm



Weight : 0.13g

