

**SANYO**

No.429D

**2SC1755, 1756, 1757**

NPN Triple Diffused Planar Silicon Transistors  
 FOR CHROMA OUTPUT & AF OUTPUT OF COLOR TV  
 FOR VIDEO OUTPUT & AF OUTPUT OF B/W TV

These 2SC1755, 1756, 1757 are different only from their packages.

**Absolute Maximum Ratings at Ta=25°C**

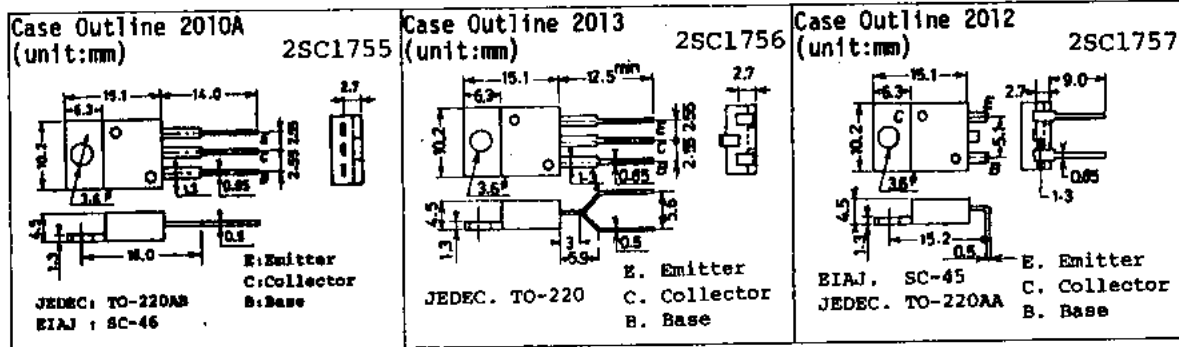
|                              |                  |                      | unit |   |
|------------------------------|------------------|----------------------|------|---|
| Collector to Base Voltage    | V <sub>CB0</sub> | 300                  | V    |   |
| Collector to Emitter Voltage | V <sub>CE0</sub> | 300                  | V    |   |
| Emitter to Base Voltage      | V <sub>EB0</sub> | 7                    | V    |   |
| Collector Current            | I <sub>C</sub>   | 200                  | mA   |   |
| Peak Collector Current       | i <sub>cp</sub>  | 700                  | mA   |   |
| Collector Dissipation        | P <sub>C</sub>   | 1.2                  | W    |   |
|                              | P <sub>C</sub>   | T <sub>c</sub> =25°C | 15   | W |
| Junction Temperature         | T <sub>j</sub>   | 150                  | °C   |   |
| Storage Temperature          | T <sub>stg</sub> | -40 to +150          | °C   |   |

**Electrical Characteristics at Ta=25°C**

|                          |                      |  | min | typ | max  | unit |
|--------------------------|----------------------|--|-----|-----|------|------|
| Collector Cutoff Current | I <sub>CB0</sub>     | V <sub>CB</sub> =200V, I <sub>E</sub> =0   |     |     | 0.1  | μA   |
| Emitter Cutoff Current   | I <sub>EB0</sub>     | V <sub>EB</sub> =5V, I <sub>C</sub> =0     |     |     | 0.1  | μA   |
| DC Current Gain          | h <sub>FE</sub>      | V <sub>CE</sub> =10V, I <sub>C</sub> =10mA | 40* |     | 200* |      |
| Gain Bandwidth Product   | f <sub>T</sub>       | V <sub>CE</sub> =30V, I <sub>C</sub> =10mA | 50  |     |      | MHz  |
| Output Capacitance       | C <sub>ob</sub>      | V <sub>CB</sub> =50V, f=1MHz               |     |     | 5.3  | pF   |
| C-E Saturation Voltage   | V <sub>CE(sat)</sub> | I <sub>C</sub> =50mA, I <sub>B</sub> =5mA  |     |     | 2.0  | V    |

\* The 2SC1755, 1756, 1757 are classified as follows.

|    |   |    |    |   |     |     |   |     |
|----|---|----|----|---|-----|-----|---|-----|
| 40 | C | 80 | 60 | D | 120 | 100 | E | 200 |
|----|---|----|----|---|-----|-----|---|-----|

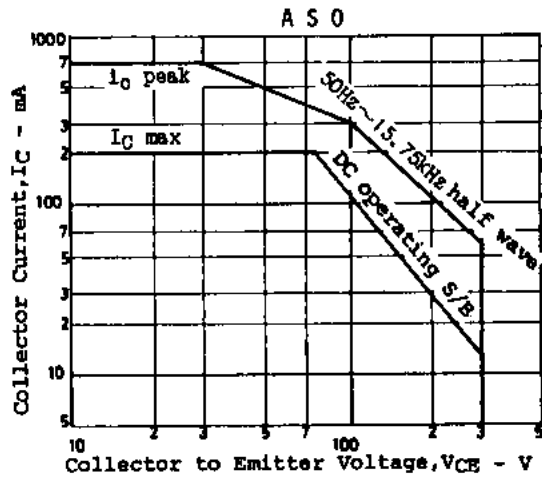
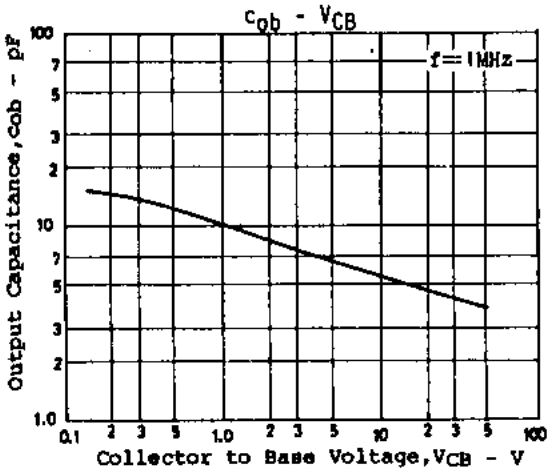
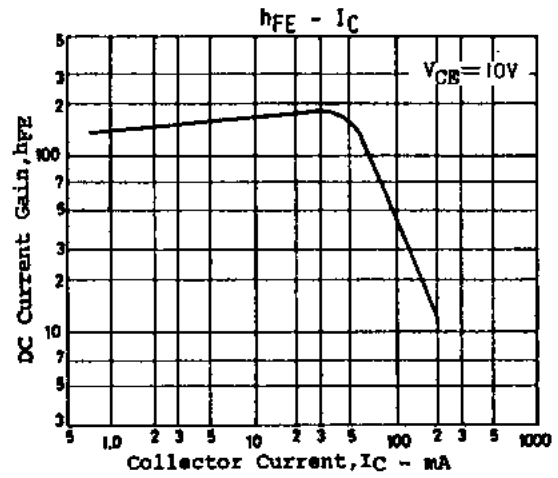
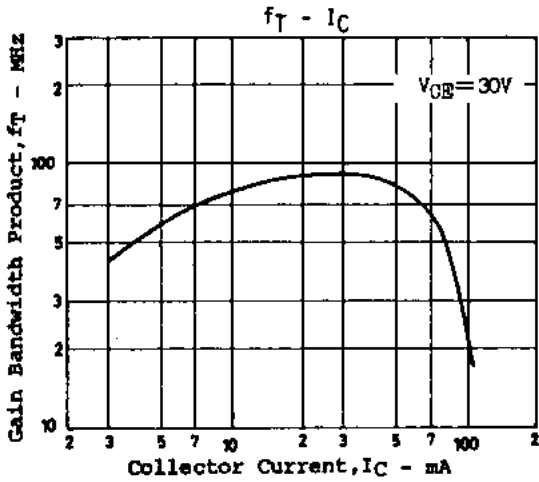
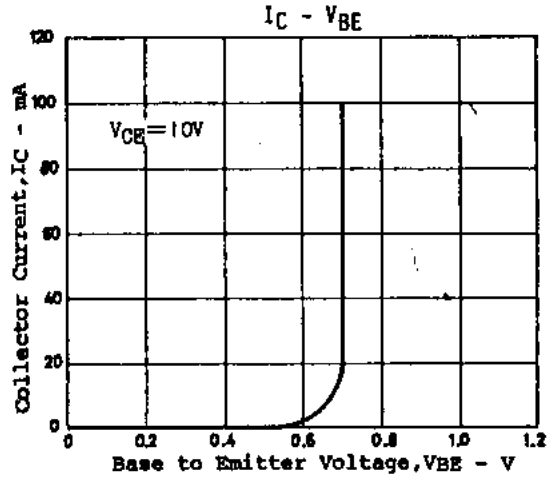
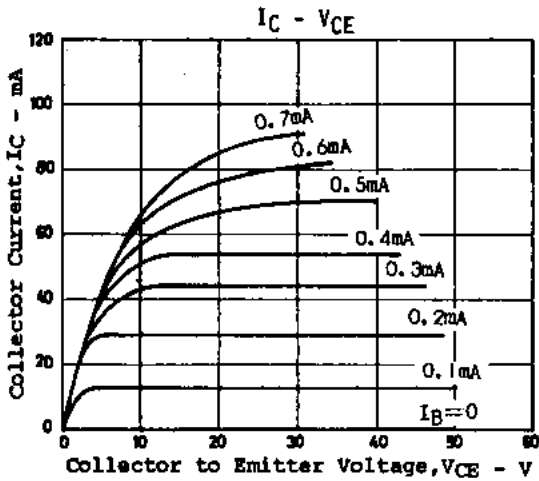


These specifications are subject to change without notice.

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