

SANYO

No.2968

2SC4217

NPN Triple Diffused Planar Silicon Transistor
 Color TV Chroma Output, Sound Output,
 B/W TV Video Output,
 Sound Output Applications

Features

- High breakdown voltage ($V_{CEO} \geq 300V$)
- Micaless package facilitating easy mounting

Absolute Maximum Ratings at $T_a = 25^\circ C$

| | | | unit |
|------------------------------|-----------|--|------------|
| Collector-to-Base Voltage | V_{CB0} | 300 | V |
| Collector-to-Emitter Voltage | V_{CEO} | 300 | V |
| Emitter-to-Base Voltage | V_{EBO} | 6 | V |
| Collector Current | I_C | 200 | mA |
| Peak Collector Current | i_{cp} | 400 | mA |
| Collector Dissipation | P_C | $T_a = 25^\circ C$ $T_c = 25^\circ C$ | 1.5 W |
| Junction Temperature | T_j | 10 | W |
| Storage Temperature | T_{stg} | 150 | $^\circ C$ |
| | | -55 to +150 | $^\circ C$ |

Electrical Characteristics at $T_a = 25^\circ C$

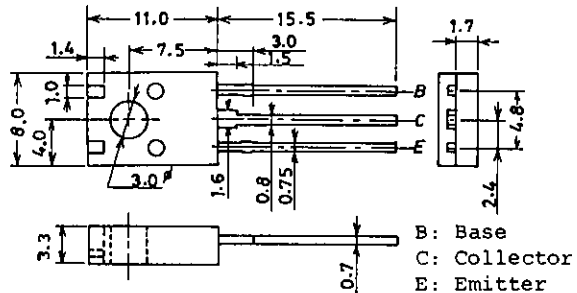
| | | | min | typ | max | unit |
|--------------------------|---------------|----------------------------|-----|-----|------|---------|
| Collector Cutoff Current | I_{CBO} | $V_{CB} = 200V, I_E = 0$ | | | 0.1 | μA |
| Emitter Cutoff Current | I_{EBO} | $V_{EB} = 5V, I_C = 0$ | | | 0.1 | μA |
| DC Current Gain | h_{FE} | $V_{CE} = 10V, I_C = 10mA$ | 40* | | 200* | |
| Gain-Bandwidth Product | f_T | $V_{CE} = 10V, I_C = 10mA$ | | 70 | | MHz |
| Output Capacitance | c_{ob} | $V_{CB} = 50V, f = 1MHz$ | | 3.5 | | pF |
| C-E Saturation Voltage | $V_{CE(sat)}$ | $I_C = 20mA, I_B = 2mA$ | | | 0.6 | V |
| B-E Saturation Voltage | $V_{BE(sat)}$ | $I_C = 20mA, I_B = 2mA$ | | | 1.0 | V |

* : The 2SC4217 is classified by 10mA h_{FE} as follows :

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

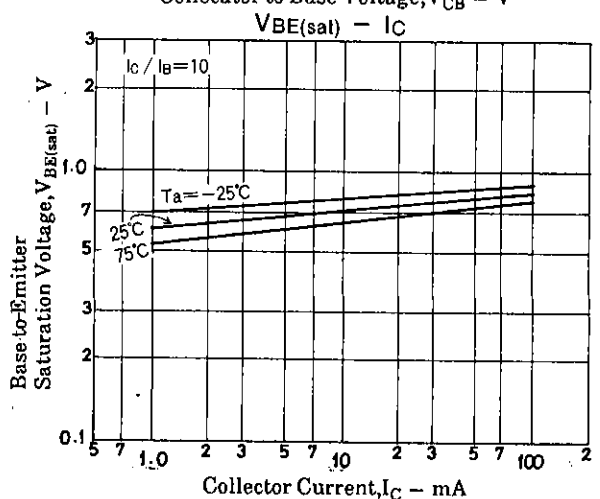
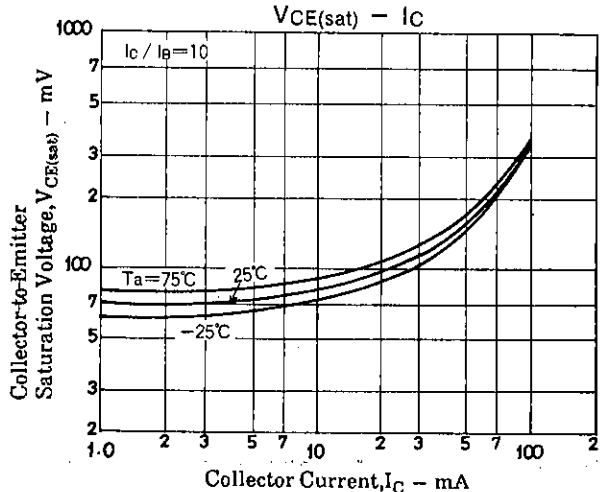
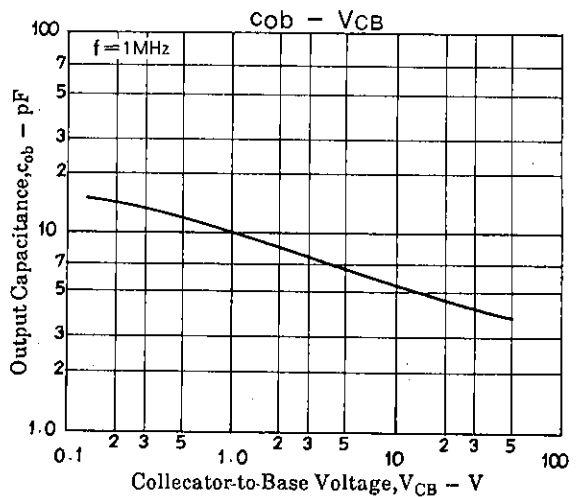
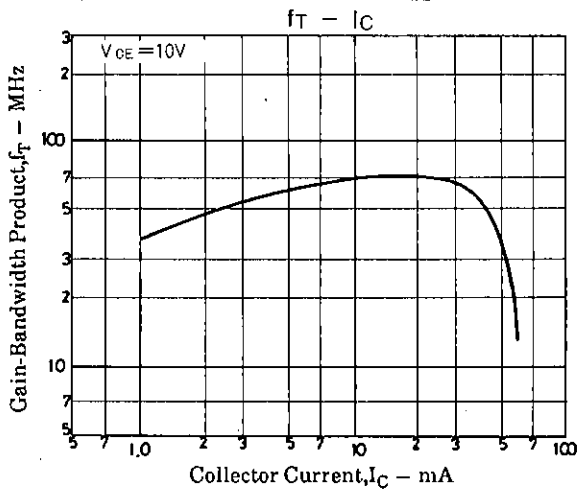
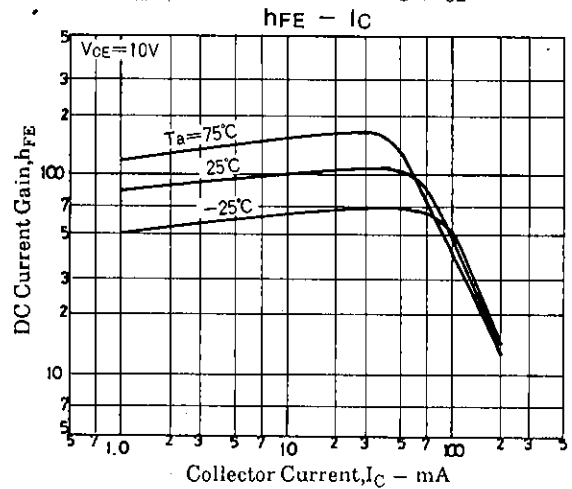
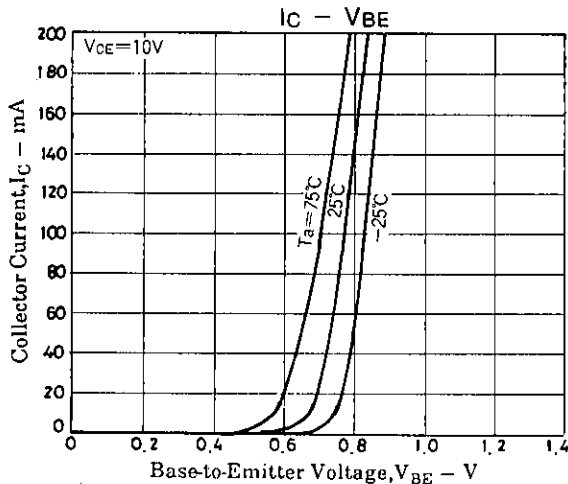
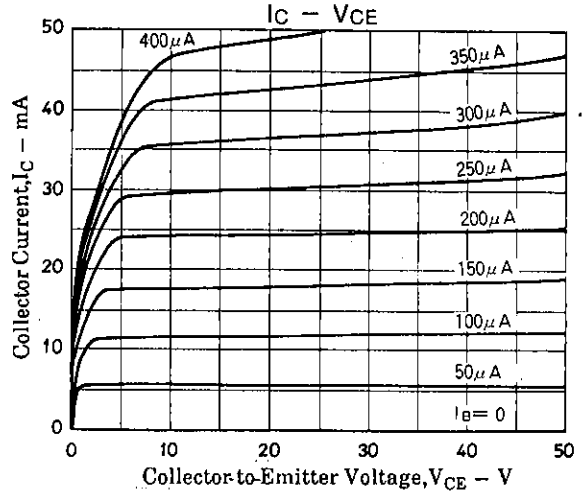
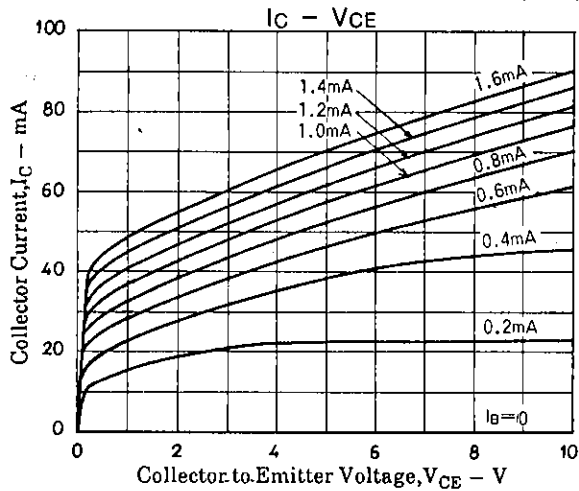
Package Dimensions 2042A

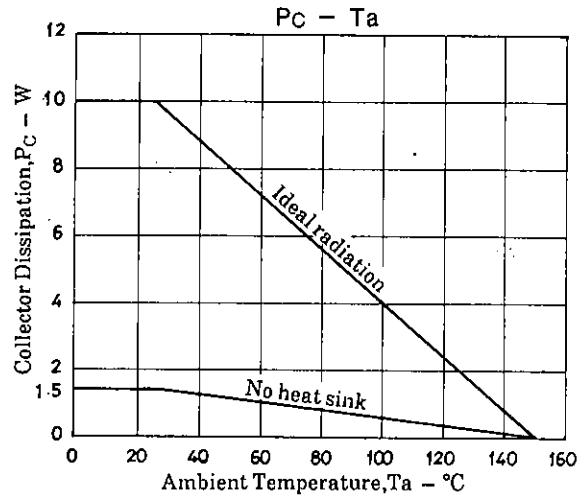
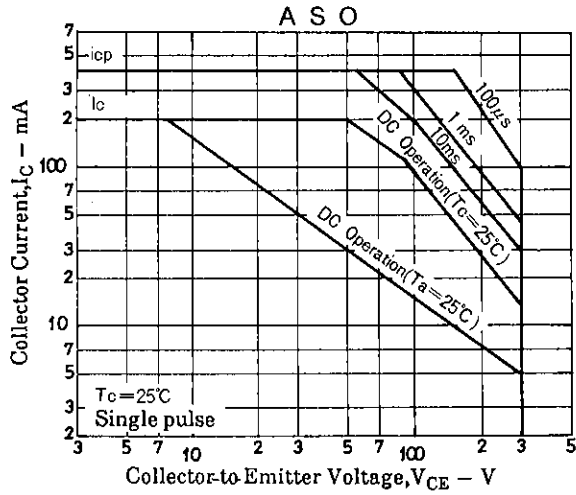
(unit: mm)



SANYO: T0126ML

2SC4217





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