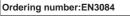
查询FC116供应商

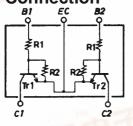


FC116 NPN Epitaxial Planar Silicon Composite Transistor Switching Applications

Features

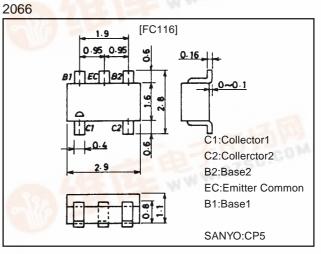
- \cdot On-chip bias resistors (R₁=10k Ω , R₂=10k Ω)
- Composite type with 2 transistors contained in the CP package currently in use, improving the mounting efficiency greatly.
- The FC116 is formed with two chips, being equivalent to the 2SC3398, placed in one package.
- Excellent in thermal equilibrium and pair capability.

Electrical Connection



Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at Ta = 25°C

| Parameter | Symbol | Conditions | Ratings | Unit |
|------------------------------|-----------------|---|------------|------|
| Collector-to-Base Voltage | VCBO | | 50 | V |
| Collector-to-Emitter Voltage | VCEO | | 50 | V |
| Emitter-to-Base Voltage | VEBO | 1 h a l a l a l a l a l a l a l a l a l a | 10 | V |
| Collector Current | ι _C | | 100 | mA |
| Collector Current (Pulse) | I _{CP} | | 200 | mA |
| Collector Dissipation | PC | 1 unit | 200 | mW |
| Total Dissipation | PT | 10 mil | 300 | mW |
| Junction Temperature | Tiet | Com | 150 | °C |
| Storage Temperature | Tstg | | -55 to+150 | °C |

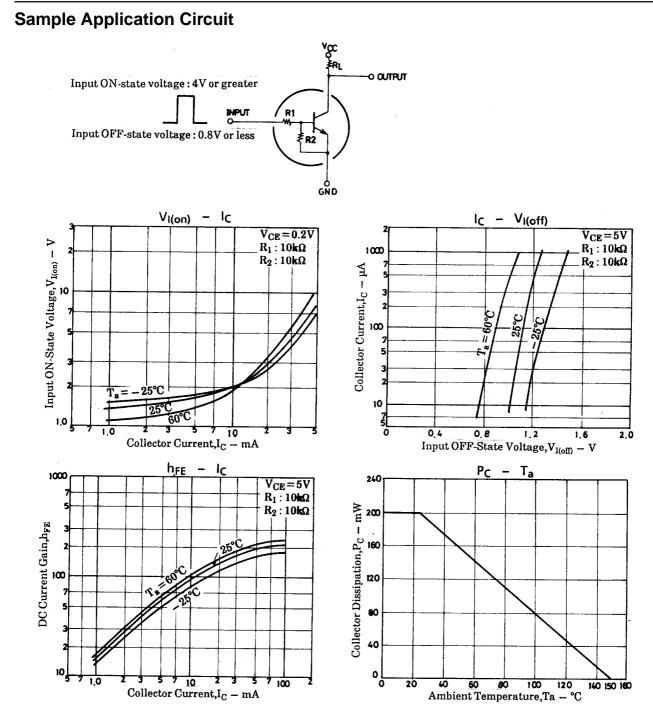
Electrical Characteristics at Ta = 25°C

| Parameter | Symbol | Conditions | Ratings | | | Unit |
|--------------------------|--------------------------------|---|----------------|-------|-----|------|
| Falameter | | | min | typ | max | Unit |
| Collector Cutoff Current | ICBO | V _{CB} =40V, I _E =0 | | | 0.1 | μA |
| Collector Cutoff Current | ICEO | V _{CE} =40V, I _B =0 | and the second | 10.01 | 0.5 | μΑ |
| Emitter Cutoff Current | IEBO | V _{EB} =5V, I _C =0 | 170 | 250 | 360 | μA |
| DC Current Gain | hFE | V _{CE} =5V, I _C =10mA | 50 | | | |
| Gain-Bandwidth Product | fT | V _{CE} =10V, I _C =5mA | | 250 | | MHz |
| Output Capacitance | Cob | V _{CB} =10V, f=1MHz | | 3.3 | | pF |
| C-E Saturation Voltage | VCE(sat) | I _C =10mA. I _B =0.5mA | | 0.1 | 0.3 | V |
| C-B Breakdown Voltage | V(BR)CBO | I _C =10µA, I _E =0 | 50 | | | V |
| C-E Breakdown Voltage | V(BR)CEO | I _C =100µA, R _{BE} =∞ | 50 | | | V |
| Input OFF-State Voltage | V _{I(off)} | V _{CE} =5V, I _C =100µA | 0.8 | 1.1 | 1.5 | V |
| Input ON-State Voltage | V _{I(on)} | V _{CE} =0.2V, I _C =10mA | 1.0 | 2.0 | 4.0 | V |
| Input Resistance | R ₁ | | 7.0 | 10 | 13 | kΩ |
| Resistance Ratio | R ₁ /R ₂ | | 0.9 | 1.0 | 1.1 | |

Note: The specifications shown above are for each individual transistor.

Marking:116

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