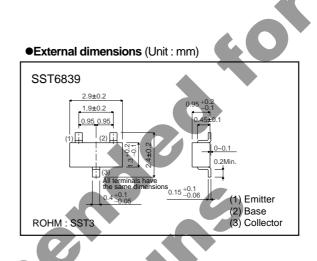
PNP general purpose transistor **SST6839**

Features

- 1) $BV_{CEO} < 40V$ (Ic = -1mA)
- 2) Complements the SST6838.

•Package, marking and packaging specifications

| Part No. | SST6839 |
|------------------------------|---------|
| Packaging type | SST3 |
| Marking | RFQ |
| Code | T116 |
| Basic ordering unit (pieces) | 3000 |



•Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|-----------------------------|--------|-------------|------|
| Collector-base voltage | Vсво | -50 | V |
| Collector-emitter voltage | Vceo | -40 | V |
| Emitter-base voltage | Vebo | -5 | V |
| Collector current | lc | -0.2 | A |
| Collector power dissipation | Pc | 0.2 | W |
| Junction temperature | Tj | 150 | °C |
| Storage temperature | Tstg | -55 to +150 | 0° |

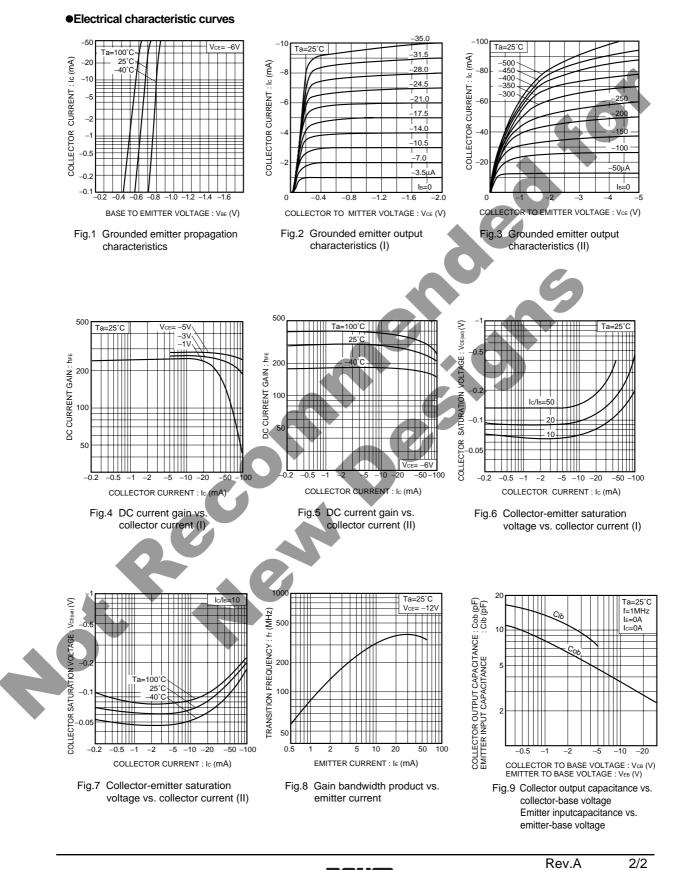
●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions | | |
|--------------------------------------|----------|-------|----------|------|------|---|----------------------|---------------------|
| Collector-base breakdown voltage | ВУсво | -50 | | - | V | Ic=-10µA | (Ta=-40°C to +125°C) | |
| Collector-emitter breakdown voltage | BVceo | -40 | - | - | V | Ic=-1mA | (Ta=-40°C to +125°C) | |
| Collector cutoff current | Ісво | lana | <u> </u> | - | -0.5 | | Vcb=-30V | (Ta=85°C) |
| | | - | - | -5 | μA | Vcb=-30V | (Ta=125°C) | |
| Emitter cutoff current | IEBO | - | - | -0.5 | μA | VE _B =-4V | (Ta=85°C) | |
| | | - | - | -5 | | VE _B =-4V | (Ta=125°C) | |
| Collector-emitter saturation voltage | VCE(sat) | New Y | - | - | -0.5 | v | Ic/IB=-100mA/-10mA | (Ta=85°C) |
| | | - | - | -0.7 | v | Ic/I _B =-100mA/-10mA | (Ta=125°C) | |
| DC current transfer ratio | hFE1 | | 100 | - | - | | Vce/lc=-5V/-1mA | (Ta=-40°C to +25°C) |
| | | - | - | 800 | _ | Vce/lc=-5V/-1mA | (Ta=85°C) | |
| | | - | - | 1000 | | Vce/lc=-5V/-1mA | (Ta=125°C) | |
| DC current transfer ratio | hFE2 | 100 | - | - | - | Vce/lc= -5V/-100mA | (Ta=-40°C to +25°C) | |
| Transition frequency | f⊤ | - | 140 | - | MHz | $V_{\text{CE}}{=}{-}12V$, $I_{\text{C}}{=}{-}2mA$, $f{=}100MHz$ | (Ta=25°C) | |
| Collector output capacitance | Cob | - | 3.5 | - | pF | V_{CB} = -12V , IE= 0A , f= 1MHz | (Ta=25°C) | |
| Emitter input capacitance | Cib | - | 17 | - | pF | $V_{\text{EB}}{=}{-}0.5V$, Ic= 0A , f= 1MHz | (Ta=25°C) | |



SST6839

Transistors



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