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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PNP small signal transistor

BCX71H

Features

- 1) Ideal for switching and AF amplifier applications.
- 2) Complements the BCX70.

Packaging specifications

| Туре | Package | Taping | |
|--------|------------------------------|--------|--|
| | Code | T116 | |
| | Basic ordering unit (pieces) | 3000 | |
| BCX70H | | 0 | |

●Absolute maximum ratings (Ta=25°C)

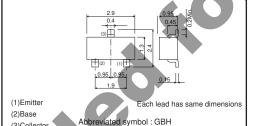
| Symbol | Limits | Unit | |
|--------|-------------------------|--|--|
| Vсво | -45 | V | |
| VCEO | -45 | V | |
| VEBO | -5 | V | |
| lc | -0.2 | A | |
| Б | 0.2 | W | |
| PC | 0.35 | W * | |
| Tj | 150 | °C | |
| Tstg | -55 to 150 | °C | |
| | VCBO VCEO VEBO Ic Pc Tj | VCBO -45 VCEO -45 VEBO -5 Ic -0.2 Pc 0.2 0.35 Tj 160 | |

* Mounted on a 7×5×0.6 mm CERAMIC SUBSTRATE

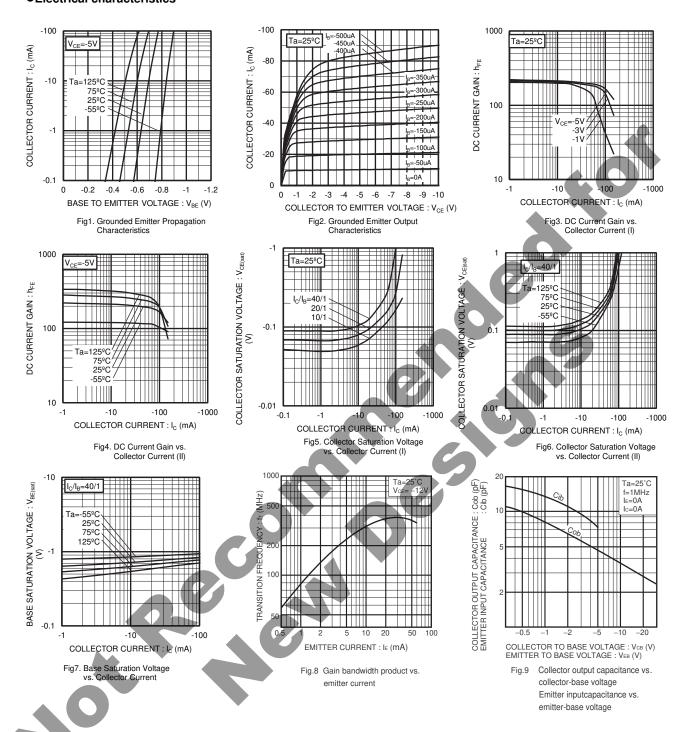
●Electrical characteristics (Ta=25°C

| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|--------------------------------------|-----------------------|------|------|-------|------|---|
| Collector-emitter breakdown voltage | BVcEo | -45 | - | - | V | Ic=-2mA |
| Emitter-base breakdown voltage | ВУЕВО | -5 | /- | _ | V | Ic=-10μA |
| Collector-emitter cutoff current | Ices | 9 | _ | -0.1 | μΑ | Vce=-45V |
| Emitter-base cutoff current | ІЕВО | | _ | -0.1 | μΑ | V _{EB} = -4V |
| Collector-emitter saturation voltage | VcE(sat)1 | | _ | -0.25 | ٧ | Ic/I _B = -10mA/ -0.25mA |
| | VCE(sat)2 | 1 | - | -0.55 | ٧ | Ic/I _B = -50mA/ -1.25mA |
| Base-emitter saturation voltage | V _{BE(sat)1} | - | - | -0.85 | ٧ | Ic/I _B = -10mA/ -0.25mA |
| Date children Saturation Voltage | V _{BE(sat)2} | _ | - | -1.05 | V | Ic/I _B = -50mA/ -1.25mA |
| Base-emitter voltage | V _{BE(on)} | -0.6 | - | -0.75 | V | VcE= -5V, Ic= -2mA |
| DC current transfer ratio | hfe | 140 | - | 310 | | VcE= -5V, Ic= -2mA |
| Do current transfer fatto | | 80 | _ | _ | _ | VcE= -5V, Ic= -50mA |
| Transition frequency | f⊤ | - | 180 | - | MHz | Vc=-5V, I=-10mA, f=100MHz |
| Collector output capacitance | Cob | - | _ | 6 | pF | V _{CB} = -10V, f=1MHz |
| Noise figure | NF | - | _ | 6 | dB | V_{CE} = -5V, Ic= -200 μ A, f=1kHz,Rg=2k Ω |
| Collector-base cutoff current | Ісво | _ | _ | -20 | μΑ | V _{CB} = -45V, Ta=150°C |

●Dimensions (Unit:mm) ВСХ71Н



•Electrical characteristics



Notes

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