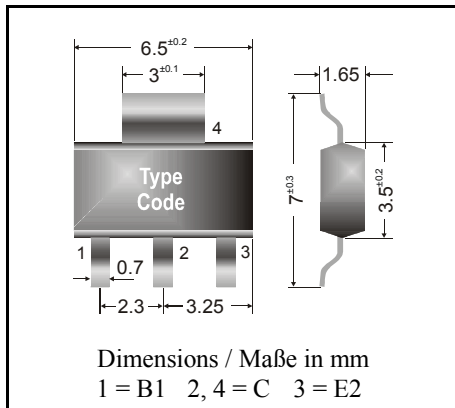


PNP

Surface mount Si-Epitaxial Planar Transistors
Si-Epitaxial Planar Transistoren für die Oberflächenmontage

PNP



| | |
|---|---------|
| Power dissipation – Verlustleistung | 1.5 W |
| Plastic case Kunststoffgehäuse | SOT-223 |
| Weight approx. – Gewicht ca. | 0.04 g |
| Plastic material has UL classification 94V-0 Gehäusematerial UL94V-0 klassifiziert | |
| Standard packaging taped and reeled Standard Lieferform gegurtet auf Rolle | |

Maximum ratings (T_A = 25°C)**Grenzwerte (T_A = 25°C)**

| | | | BCP 28 | BCP 48 |
|---|--------|--------------------|---------------------|---------------|
| Collector-Emitter-voltage | B open | - V _{CE0} | 30 V | 60 V |
| Collector-Base-voltage | E open | - V _{CB0} | 40 V | 80 V |
| Emitter-Base-voltage | C open | - V _{EB0} | 10 V | |
| Power dissipation – Verlustleistung | | P _{tot} | 1.5 W ¹⁾ | |
| Collector current – Kollektorstrom (DC) | | - I _C | 500 mA | |
| Peak Collector current – Kollektor-Spitzenstrom | | - I _{CM} | 800 mA | |
| Base current – Basisstrom (DC) | | - I _B | 100 mA | |
| Peak Base current – Basisstrom | | - I _{BM} | 200 mA | |
| Junction temperature – Sperrschichttemperatur | | T _j | 150°C | |
| Storage temperature – Lagerungstemperatur | | T _S | - 65...+ 150°C | |

Characteristics (T_j = 25°C)**Kennwerte (T_j = 25°C)**

| | | | | Min. | Typ. | Max. |
|--|--------|--------------------|--|-------------|-------------|-------------|
| Collector-Base cutoff current – Kollektorreststrom | | | | | | |
| I _E = 0, - V _{CB} = 30 V | BCP 28 | - I _{CB0} | | – | – | 100 nA |
| I _E = 0, - V _{CB} = 60 V | BCP 48 | - I _{CB0} | | – | – | 100 nA |
| I _E = 0, - V _{CB} = 30 V, T _A = 150°C | BCP 28 | - I _{CB0} | | – | – | 10 µA |
| I _E = 0, - V _{CB} = 60 V, T _A = 150°C | BCP 48 | - I _{CB0} | | – | – | 10 µA |
| Emitter-Base cutoff current – Emitterreststrom | | | | | | |
| I _C = 0, - V _{EB} = 4 V | | - I _{EB0} | | – | – | 100 nA |

¹⁾ Mounted on P.C. board with 3 mm² copper pad at each terminal
 Montage auf Leiterplatte mit 3 mm² Kupferbelag (Löt-pad) an jedem Anschluß

