## PNP Silicon Expitaxial Planar Transistor

for switching and amplifier applications. Especially suitable for AF-driver stages and low-power output stages.

These types are also available subdivided into three groups $-16,-25$ and -40 , according to their DC current gain. As complementary types, the NPN transistors BC337 and BC338 are recommended.

On special request, these transistors can be manufactured in different pin configurations. Please refer to the "TO-92 TRANSISTOR PACKAGE OUTLINE" on page 80 for the available pin options.


TO-92 Plastic Package
Weight approx. 0.18 g
Dimensions in mm

Absolute Maximum Ratings $\left(\mathrm{T}_{\mathrm{a}}=\mathbf{2 5}{ }^{\circ} \mathrm{C}\right.$ )

|  |  | Symbol | Value | Unit |
| :---: | :---: | :---: | :---: | :---: |
| Collector Emitter Voltage | HN / BC 327 <br> HN / BC 328 | $\begin{aligned} & -\mathrm{V}_{\mathrm{CES}} \\ & -\mathrm{V}_{\mathrm{CES}} \end{aligned}$ | $\begin{aligned} & 50 \\ & 30 \end{aligned}$ | $\begin{aligned} & V \\ & V \end{aligned}$ |
| Collector Emitter Voltage | HN / BC 327 <br> HN / BC 328 | $\begin{aligned} & -V_{\text {CEO }} \\ & -V_{\mathrm{CEO}} \end{aligned}$ | $\begin{aligned} & 45 \\ & 25 \end{aligned}$ | $\begin{aligned} & \mathrm{V} \\ & \mathrm{~V} \end{aligned}$ |
| Emitter Base Voltage |  | $-\mathrm{V}_{\text {Ebo }}$ | 5 | V |
| Collector Current |  | $\mathrm{I}_{\mathrm{c}}$ | 800 | mA |
| Peak Collector Current |  | $\mathrm{I}_{\mathrm{CM}}$ | 1 | A |
| Base Current |  | $\mathrm{I}_{\mathrm{B}}$ | 100 | mA |
| Power Dissipation at $\mathrm{Tamb}=25^{\circ} \mathrm{C}$ |  | $\mathrm{P}_{10 \mathrm{t}}$ | 6251) | mW |
| Junction Temperature |  | $\mathrm{T}_{1}$ | 150 | ${ }^{\circ} \mathrm{C}$ |
| Storage Temperature Range |  | $\mathrm{T}_{\mathrm{s}}$ | -65 to + 150 | ${ }^{\circ} \mathrm{C}$ |
| ${ }^{\text {1 }}$ Valid provided that leads are kept at ambient temperature at a distance of 2 mm from case |  |  |  |  |

## G S P FORM A AVAILABLE

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HN / BC 327/328

Characteristics at $\mathrm{T}_{\text {amb }}=25^{\circ} \mathrm{C}$


HN / BC 327/328


Collector current
versus base-emitter voltage


Pulse thermal resistance versus pulse duration
Valid provided that leads are kept at ambient temperature at a distance of 2 mm from case


Collector-emitter cutoff current versus ambient temperature



## Common emitter

collector characteristics


Common emitter collector characteristics


Common emitter collector characteristics




Base saturation voltage versus collector current


