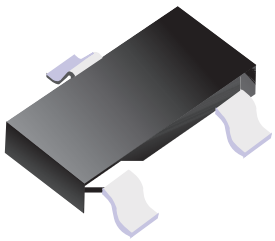
For switching and general purpose applications.

The transistor is subdivided into three groups O, Y and G, according to its DC current gain.

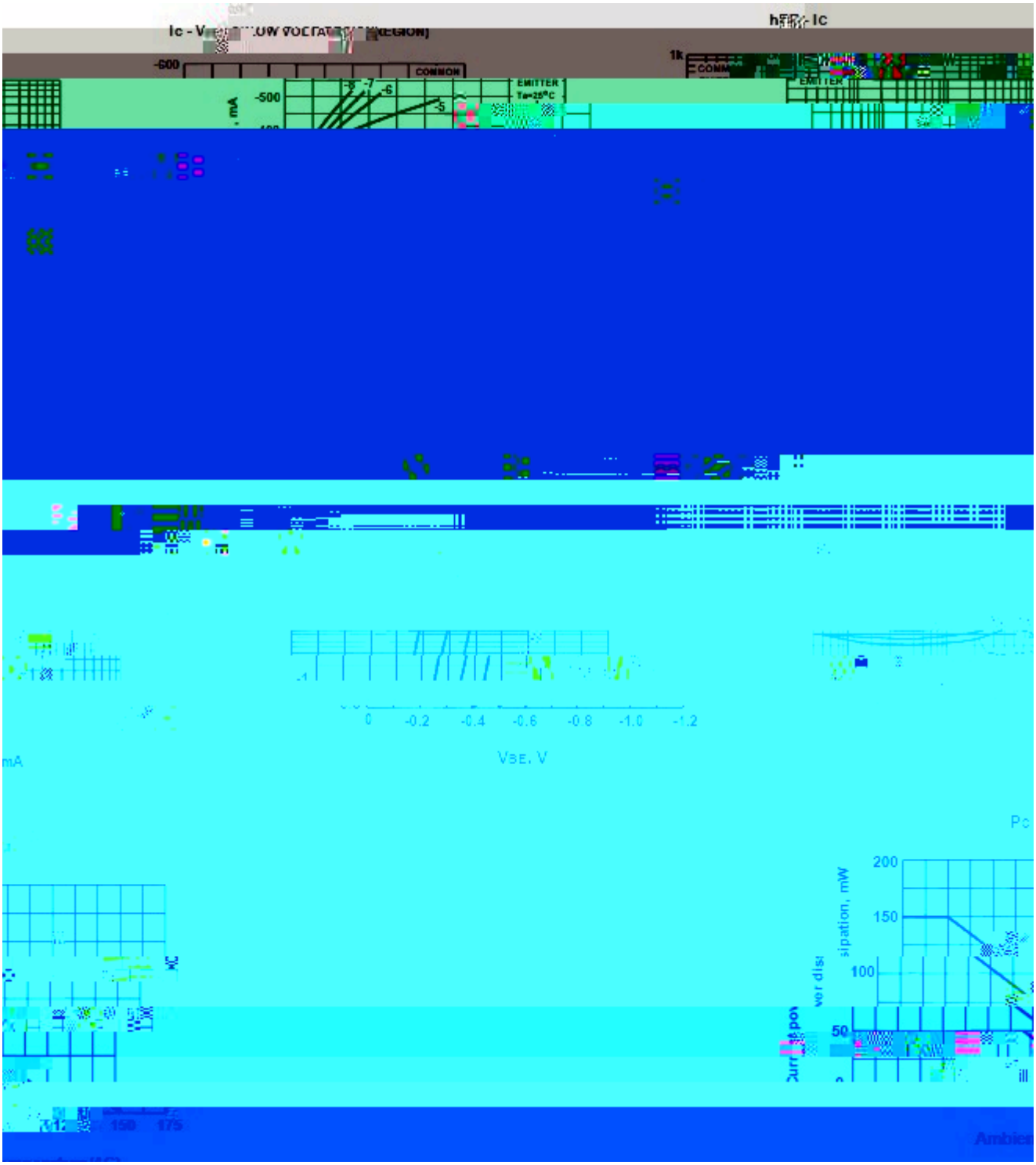


- Excellent $h_{FE}$ linearity:
- $h_{FE}$=25(min) at $V_{CE}$=-6V, $I_C$=-400mA

| | | | |
|---|---|---|---|
| Collector-Base Voltage | | -35 | |
| Collector-Emitter Voltage | | -30 | |
| Emitter -Base Voltage | | -5 | |
| Collector Current-Continuous | | -500 | |
| Base Current | | -50 | |
| Power Dissipation | | 200 | |
| Junction Temperature | | 150 | |
| Storage Temperature | | -55-+150 | |

| | | | | | |
|---|---|---|---|---|---|
| DC Current Gain | $V_{CE}$=-1V,$I_C$= -100mA | O | 70 | | 140 |
| | | Y | 120 | | 240 |
| Current Gain Group | | G | 200 | | 400 |
| Collector Cutof | $V_{CE}$=-6V,$I_C$= -400mA | | | 25 | |

| | | | |
|---|---|---|---|
| | | | |
| | 70-140 | 120-240 | 200-400 |
| | AZO | AZY | AZG |



-600
-500
COMMON
EMITTER
1k
0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
VBE, V
mA
200
150
100
50

## Ordering information

| Package | Packing Description | Base Quantity | Packing Quantity |
|---|---|---|---|
| **SOT-23** | Tape/Reel,7”reel | 3000pcs/Reel | 24000PCS/Box 120000PCS/Carton |

## Package Dimensions

**SOT-23**

| Dim. | Millimeter (mm) | | mil | |
|---|---|---|---|---|
| | **Min.** | **Max.** | **Min.** | **Max.** |
| A | 0.9 | 1.15 | 35 | 45 |
| A1 | 0.1 | | 3.9 | |
| bp | 0.38 | 0.48 | 15 | 19 |
| C | 0.09 | 0.15 | 3.54 | 5.9 |
| D | 2.8 | 3.0 | 110 | 118 |

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics Co.,Ltd. reserves the right to make changes without notice for the specification of the products displayed