



2SB1204S

SPICE PARAMETER

PNP Bipolar Transistor

model : Gummel-Poon

| Parameter | Value | Unit | Parameter | Value | Unit |
|-----------|--------|-----------|-----------|--------|-----------|
| IS | 1.200p | A | BF | 130 | |
| NF | 1 | | VAF | 2.5 | V |
| IKF | 5 | A | ISE | 22.00p | A |
| NE | 2 | | BR | 72 | |
| NR | 1 | | VAR | 50 | V |
| IKR | 1 | A | ISC | 150.0p | A |
| NC | 2 | | RB | 470.0m | Ohm |
| IRB | 160.0m | A | RBM | 29.00m | Ohm |
| RE | 24.00m | Ohm | RC | 13.00m | Ohm |
| XTB | 1.3 | | EG | 1.11 | eV |
| XTI | 3 | | CJE | 800.0p | F |
| VJE | 700.0m | V | MJE | 373.0m | |
| TF | 1100p | sec | XTF | 10 | |
| VTF | 1.000K | V | ITF | 11 | A |
| PTF | 0 | deg | CJC | 300.0p | F |
| VJC | 550.0m | V | MJC | 390.0m | |
| XCJC | 1 | | TR | 1.000n | sec |
| FC | 500.0m | | KF | 0 | (default) |
| AF | 1 | (default) | | | |

Temp = 27 deg

Date : 2014/08/12

*Information herein is for example only ;
It is not guaranteed for volume production.

ON Semiconductor