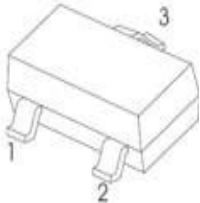
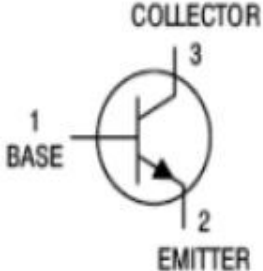
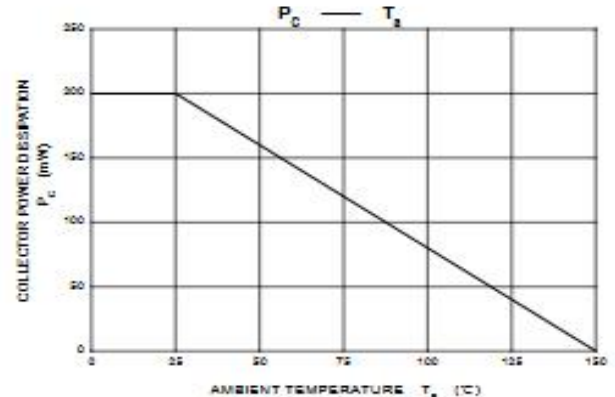
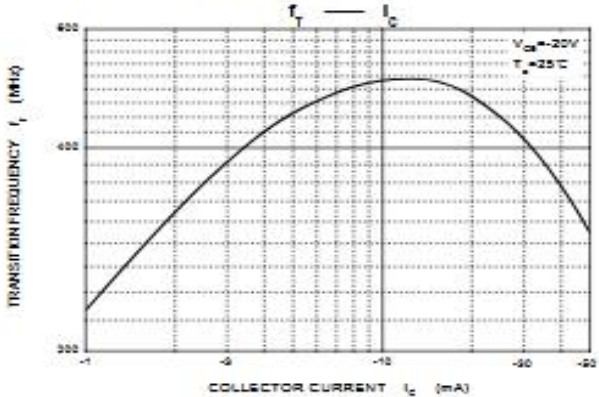
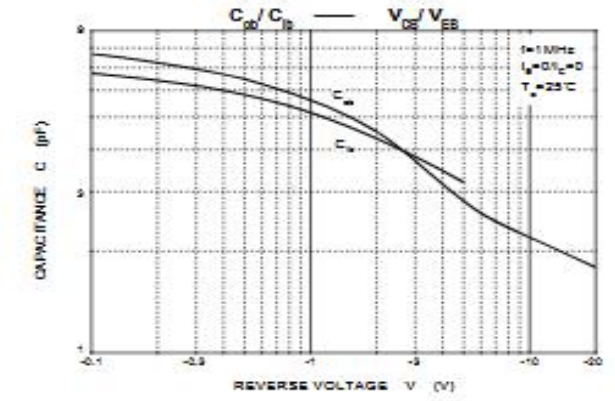
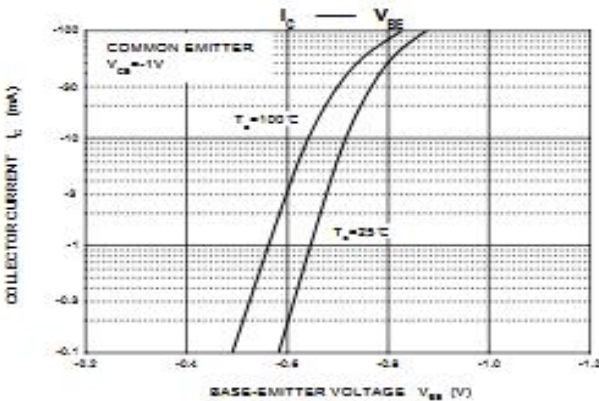
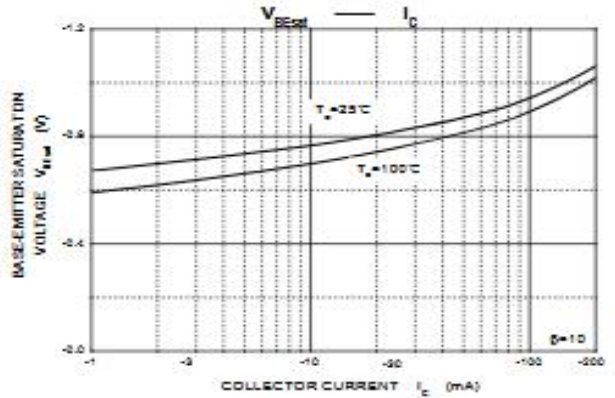
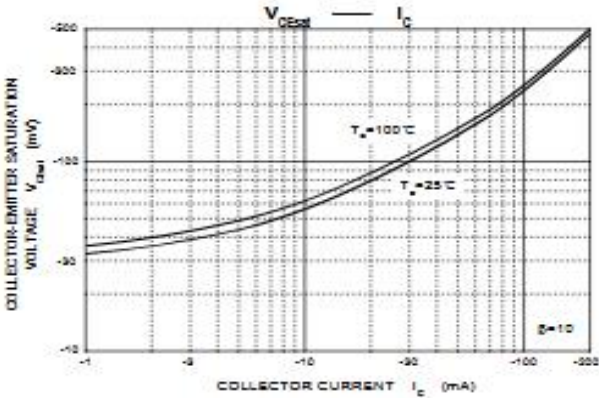
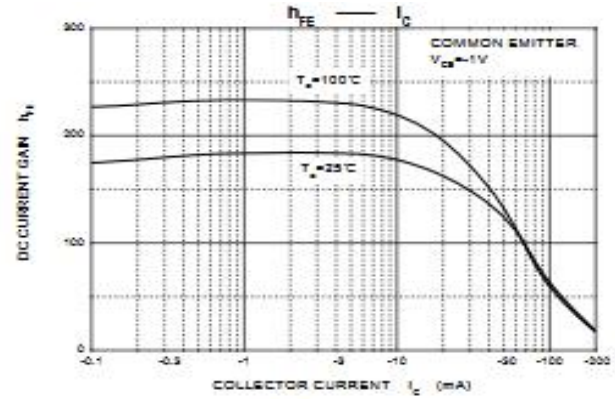
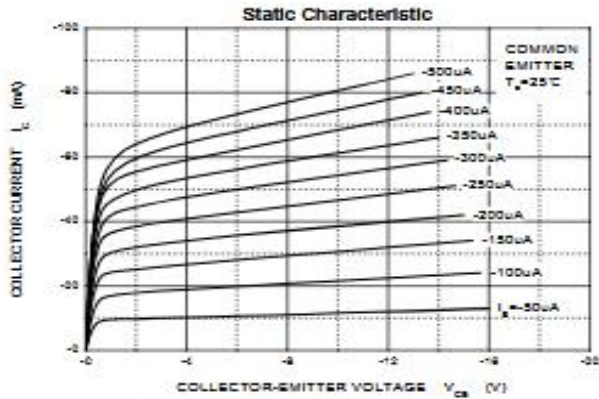


|   |  |              |             |
|---|--|--------------|-------------|
| TRANSISTOR (PNP)  | SOT-23 Plastic-Encapsulate Transistors   |              |             |
| <p><u>SOT-23</u></p>   <p>1.BASE<br/>2.EMITTER<br/>3.COLLECTOR</p> <p>Marking :2A</p> | <p style="text-align: center;">Features</p> <ul style="list-style-type: none"> <li>※ Complimentary to MMBT3904</li> <li>※ Collector Current: Ic=200mA</li> </ul> |              |             |
| <b>MAXIMUM RATINGS (Ta=25°C unless otherwise noted)</b>   |  |              |             |
| <b>Parameter</b>  | <b>Symbol</b>  | <b>Value</b> | <b>Unit</b> |
| Collector-Base Voltage  | VCBO   | -40          | V           |
| Collector-Emitter Voltage   | VCEO   | -40          | V           |
| Emitter-Base Voltage  | VEBO   | -5           | V           |
| Collector Current   | IC   | -200         | mA          |
| Collector Power Dissipation   | PC   | 200          | mW          |
| Thermal Resistance From Junction To Ambient   | ROJA   | 325          | °C/W        |
| Junction Temperature  | Tj   | 150          | °C          |
| Storage Temperature   | Tstg   | -55~+150     | °C          |

| <b>ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)</b> |                |                                       |            |            |            |             |
|--|----------------|---------------------------------------|------------|------------|------------|-------------|
| <b>Parameter</b>   | <b>Symbol</b>  | <b>Test Condition</b>                 | <b>Min</b> | <b>Typ</b> | <b>Max</b> | <b>Unit</b> |
| Collector-base breakdown voltage                                       | V(BR)CBO       | IC= -10μA, IE=0                       | -40        |            |            | V           |
| Collector-emitter breakdown voltage                                    | V(BR)CEO       | IC= -1mA, IB=0                        | -40        |            |            | V           |
| Emitter-base breakdown voltage   | V(BR)EBO       | IE= -10μA, IC=0                       | -5         |            |            | V           |
| Collector cut-off current  | ICBO           | VCB= -40 V , IE=0                     |            |            | -0.1       | μA          |
| Collector cut-off current  | ICEO           | VCE=-30V, VBE(off)=-3V                |            |            | -50        | nA          |
| Emitter cut-off current  | IEBO           | VEB= -6V , IC=0                       |            |            | -0.1       | μA          |
| DC current gain  | hFE            | VCE= -1V, IC= -10mA                   | 100        |            | 300        |             |
|  | hFE            | VCE= -1V, IC= -50mA                   | 60         |            |            |             |
|  | hFE            | VCE= -1V, IC= -100mA                  | 30         |            |            |             |
| Collector-emitter saturation voltage                                   | VCE(sat)       | IC= -50 mA, IB= -5mA                  |            |            | -0.3       | V           |
| Base-emitter saturation voltage  | VBE(sat)       | IC= -50 mA, IB= -5mA                  |            |            | -1         | V           |
| Transition frequency   | fT             | VCE=6V, IC= 20mA<br>f=30MHz           | 300        |            |            | MHz         |
| Delay time   | td             | VCC=3V, VBE=0.5V,<br>IC=10mA, IB=1mA, |            |            | 35         | ns          |
| Rise time  | tr             | VCC=3V, VBE=0.5V,<br>IC=10mA, IB=1mA, |            |            | 35         | ns          |
| Storage time   | ts             | VCC=3V, VBE=0.5V,<br>IC=10mA, IB=1mA, |            |            | 225        | ns          |
| Fall time  | tf             | VCC=3V, VBE=0.5V,<br>IC=10mA, IB=1mA, |            |            | 75         | ns          |
| <b>CLASSIFICATION OF hFE</b>   |                |                                       |            |            |            |             |
| <b>HFE</b>   | <b>100-300</b> |                                       |            |            |            |             |

TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS



单击下面可查看定价，库存，交付和生命周期等信息

[>>DIOS\(迪恩思\)](#)