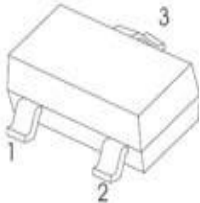
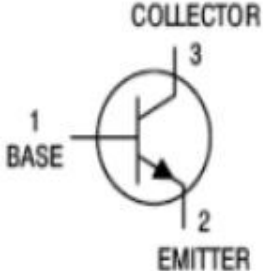
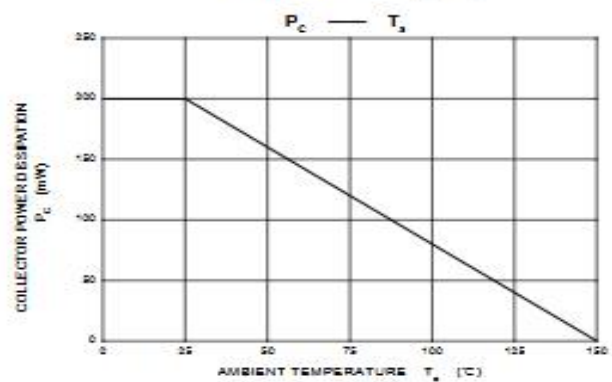
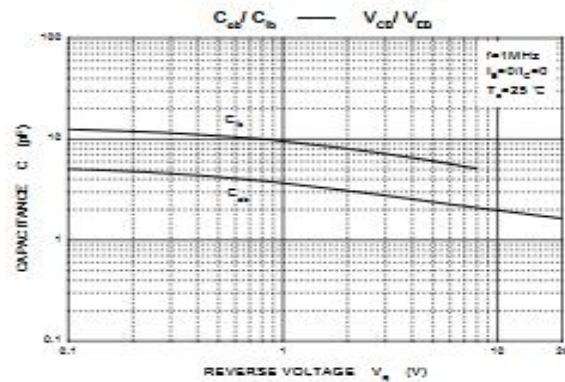
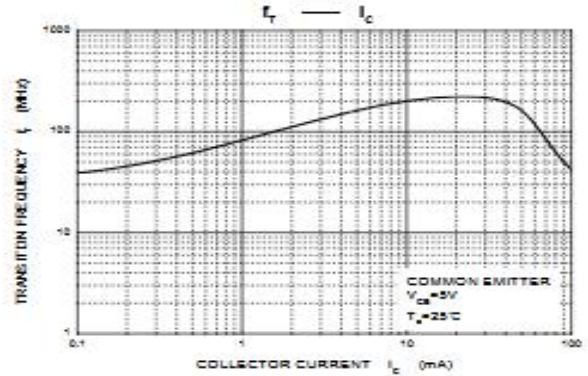
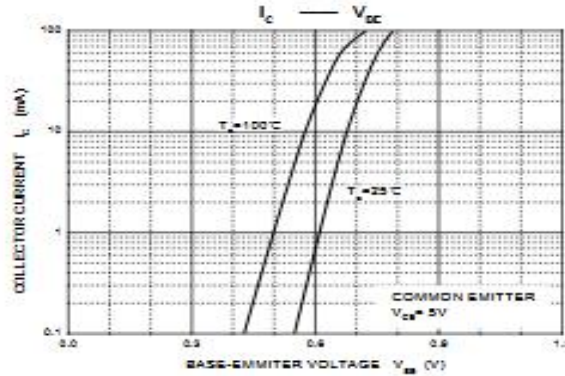
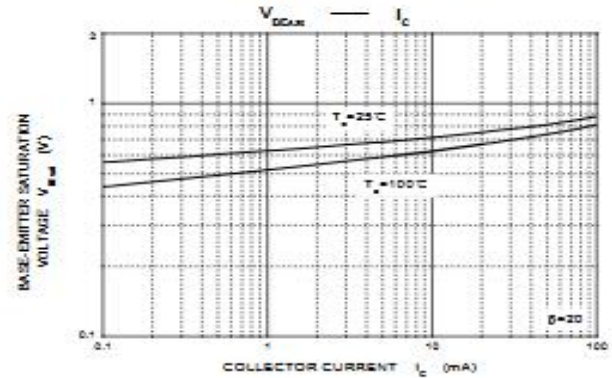
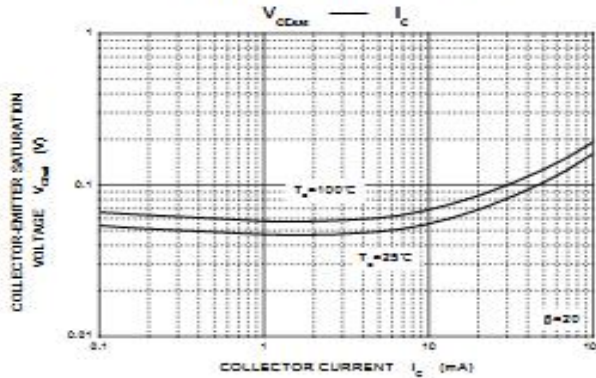
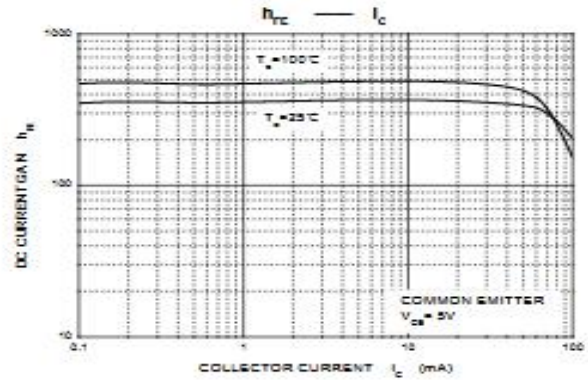
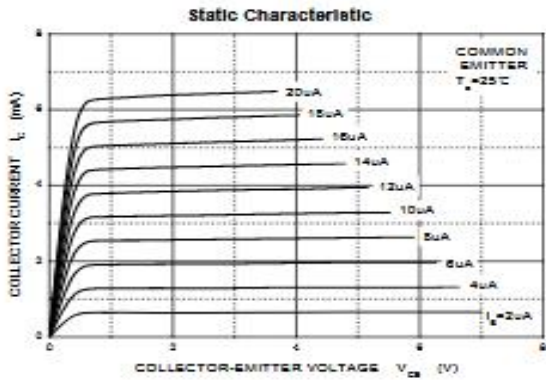


| TRANSISTOR (NPN) | SOT-23 Plastic-Encapsulate Transistors | | |
|---|--|----------|------|
| <p style="text-align: center;"><u>SOT-23</u></p>   <p>1.BASE 2.EMITTER 3.COLLECTOR</p> <p style="text-align: center;">Marking :J6</p> | <p style="text-align: center;">Features</p> <ul style="list-style-type: none"> ※ Complimentary to S9015 ※ Collector Current: $I_c=0.5A$ | | |
| MAXIMUM RATINGS (Ta=25°C unless otherwise noted) | | | |
| Parameter | Symbol | Value | Unit |
| Collector-Base Voltage | VCBO | 50 | V |
| Collector-Emitter Voltage | VCEO | 45 | V |
| Emitter-Base Voltage | VEBO | 6 | V |
| Collector Current | IC | 100 | mA |
| Collector Power Dissipation | PC | 450 | mW |
| Thermal Resistance From Junction To Ambient | RθJA | 625 | °C/W |
| Junction Temperature | Tj | 150 | °C |
| Storage Temperature | Tstg | -55~+150 | °C |

| ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified) | | | | | | |
|--|----------------|-----------------------------|------------|------------|------------|-------------|
| Parameter | Symbol | Test Condition | Min | Typ | Max | Unit |
| Collector-base breakdown voltage | V(BR)CBO | IC= 100µA, IE=0 | 50 | 145 | 200 | V |
| Collector-emitter breakdown voltage | V(BR)CEO | IC= 1mA, IB=0 | 45 | 78 | 100 | V |
| Emitter-base breakdown voltage | V(BR)EBO | IE= 100µA, IC=0 | 6 | 10.5 | 30 | V |
| Collector cut-off current | ICBO | VCB= 50 V , IE=0 | | | 0.1 | µ A |
| Collector cut-off current | ICEO | VCB= 35V , IE=0 | | | 1 | µ A |
| Emitter cut-off current | IEBO | VEB= 6V , IC=0 | | | 0.1 | µ A |
| DC current gain | hFE | VCE=5V, IC= 1mA | 300 | | 450 | |
| | hFE | VCE=5V, IC= 10mA | 150 | | | |
| Collector-emitter saturation voltage | VCE(sat) | IC=100 mA, IB= 10mA | | | 0.3 | V |
| Base-emitter saturation voltage | VBE(sat) | IC=100 mA, IB= 10mA | | | 1.3 | V |
| Transition frequency | fT | VCE=6V, IC= 20mA f=30MHz | 150 | | | MHz |
| CLASSIFICATION OF hFE | | | | | | |
| HEF | 300-400 | | | | | |
| MARKING | J6 | | | | | |

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\(迪恩思\)](#)