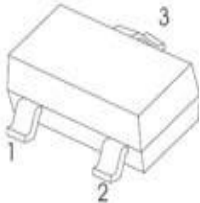
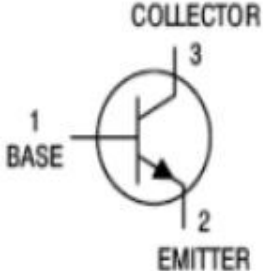


| TRANSISTOR (PNP) | SOT-23 Plastic-Encapsulate Transistors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|-------|------|------------------------|------|-----|---|---------------------------|------|-----|---|----------------------|------|----|---|-------------------|----|------|----|-----------------------------|----|-----|----|---------------------------------------------|------|-----|------|----------------------|----|-----|----|---------------------|------|----------|----|
| <p style="text-align: center;"><u>SOT-23</u></p>   <p>1.BASE 2.EMITTER 3.COLLECTOR</p> <p style="text-align: center;">Marking :M6</p> | <p style="text-align: center;">Features</p> <ul style="list-style-type: none"> ※ Complimentary to S9014 ※ Collector Current: Ic=0.5A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>MAXIMUM RATINGS (Ta=25°C unless otherwise noted)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Parameter</th> <th style="text-align: center;">Symbol</th> <th style="text-align: center;">Value</th> <th style="text-align: center;">Unit</th> </tr> </thead> <tbody> <tr> <td>Collector-Base Voltage</td> <td style="text-align: center;">VCBO</td> <td style="text-align: center;">-50</td> <td style="text-align: center;">V</td> </tr> <tr> <td>Collector-Emitter Voltage</td> <td style="text-align: center;">VCEO</td> <td style="text-align: center;">-45</td> <td style="text-align: center;">V</td> </tr> <tr> <td>Emitter-Base Voltage</td> <td style="text-align: center;">VEBO</td> <td style="text-align: center;">-5</td> <td style="text-align: center;">V</td> </tr> <tr> <td>Collector Current</td> <td style="text-align: center;">IC</td> <td style="text-align: center;">-100</td> <td style="text-align: center;">mA</td> </tr> <tr> <td>Collector Power Dissipation</td> <td style="text-align: center;">PC</td> <td style="text-align: center;">450</td> <td style="text-align: center;">mW</td> </tr> <tr> <td>Thermal Resistance From Junction To Ambient</td> <td style="text-align: center;">RθJA</td> <td style="text-align: center;">625</td> <td style="text-align: center;">°C/W</td> </tr> <tr> <td>Junction Temperature</td> <td style="text-align: center;">Tj</td> <td style="text-align: center;">150</td> <td style="text-align: center;">°C</td> </tr> <tr> <td>Storage Temperature</td> <td style="text-align: center;">Tstg</td> <td style="text-align: center;">-55~+150</td> <td style="text-align: center;">°C</td> </tr> </tbody> </table> | | Parameter | Symbol | Value | Unit | Collector-Base Voltage | VCBO | -50 | V | Collector-Emitter Voltage | VCEO | -45 | V | Emitter-Base Voltage | VEBO | -5 | 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 |
| Parameter | Symbol | Value | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Collector-Base Voltage | VCBO | -50 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Collector-Emitter Voltage | VCEO | -45 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emitter-Base Voltage | VEBO | -5 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

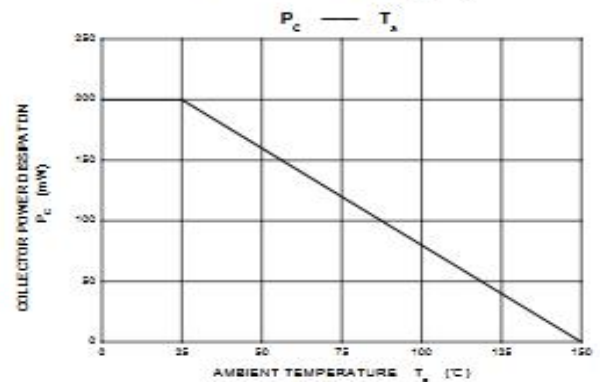
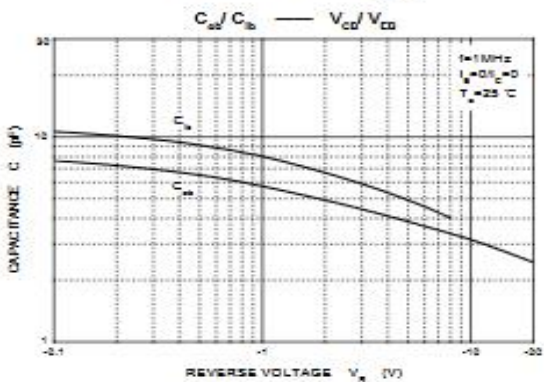
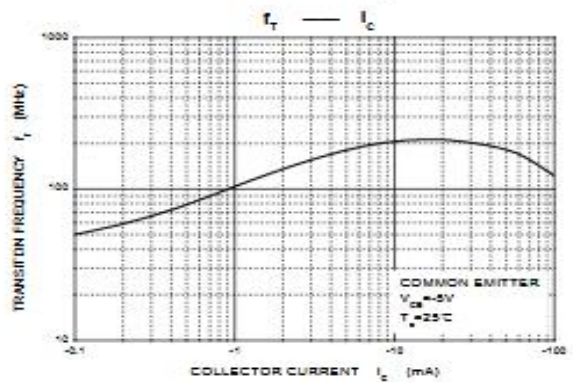
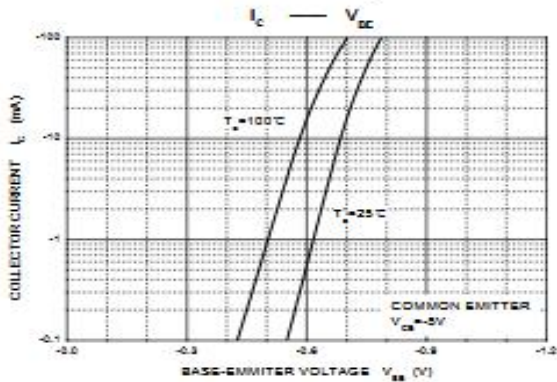
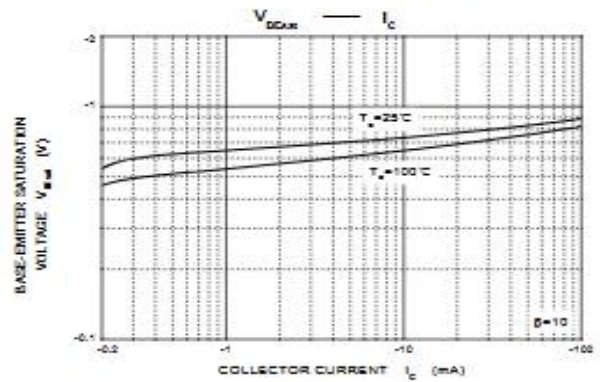
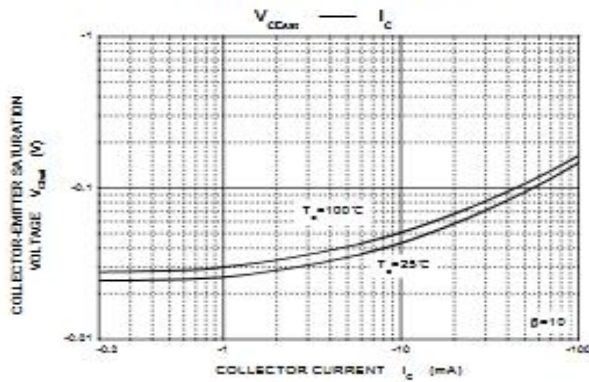
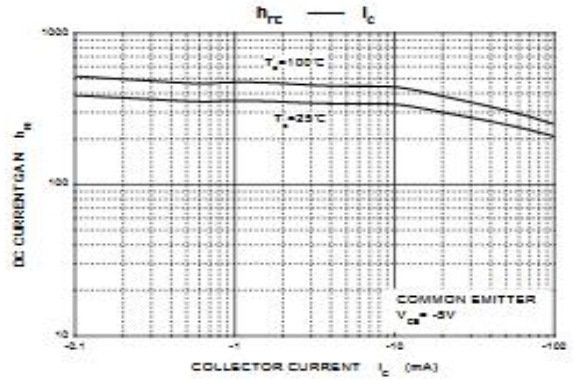
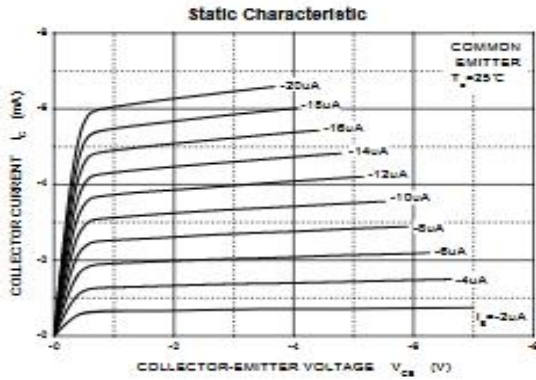
ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

| Parameter | Symbol | Test Condition | Min | Typ | Max | Unit |
|--------------------------------------|----------|-----------------------------|-----|-----|-------|------|
| Collector-base breakdown voltage | V(BR)CBO | IC= -100μA, IE=0 | -50 | -98 | -200 | V |
| Collector-emitter breakdown voltage | V(BR)CEO | IC= -1mA, IB=0 | -45 | -70 | -100 | V |
| Emitter-base breakdown voltage | V(BR)EBO | IE= -100μA, IC=0 | -5 | -11 | -30 | V |
| Collector cut-off current | ICBO | VCB= -50 V , IE=0 | | | -0.1 | μ A |
| Collector cut-off current | ICEO | VCB= -45V , IE=0 | | | -1 | μ A |
| Emitter cut-off current | IEBO | VEB= -5V , IC=0 | | | -0.1 | μ A |
| DC current gain | hFE | VCE=-5V, IC= -1mA | 200 | | 450 | |
| | hFE | VCE=-5V, IC= -10mA | 100 | | | |
| Collector-emitter saturation voltage | VCE(sat) | IC= 500 mA, IB= 50mA | | | -0.3 | V |
| Base-emitter saturation voltage | VBE(sat) | IC= 500 mA, IB= 50mA | | | -1..2 | V |
| Transition frequency | fT | VCE=6V, IC= 20mA f=30MHz | 150 | | | MHz |

CLASSIFICATION OF hFE

| | | |
|----------------|----------------|----------------|
| HFE | 300-400 | |
| Rank | L | H |
| Range | 200-300 | 300-400 |
| MARKING | | M6 |

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\(迪恩思\)](#)