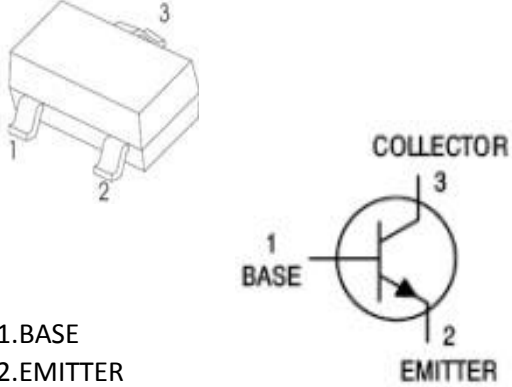


TRANSISTOR (NPN)	SOT-23 Plastic-Encapsulate Transistors																																				
<p style="text-align: center;"><u>SOT-23</u></p>  <p>1.BASE 2.EMITTER 3.COLLECTOR</p> <p style="text-align: center;">Marking :HF</p>	<p style="text-align: center;">Features</p> <ul style="list-style-type: none"> ※ Collector Current: $I_c=0.5A$ ※ Power Dissipation 																																				
<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;">60</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;">50</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;">6</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	60	V	Collector-Emitter Voltage	VCEO	50	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
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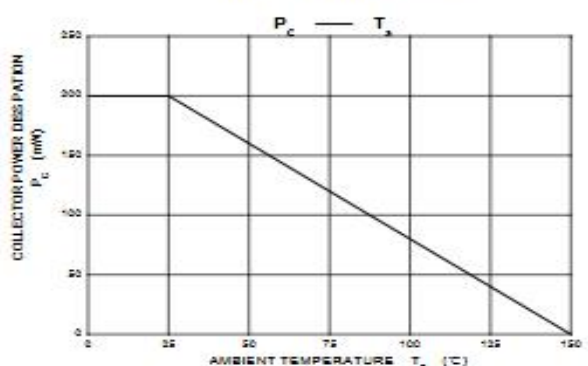
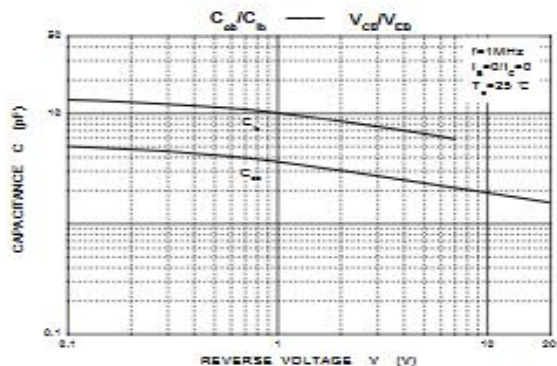
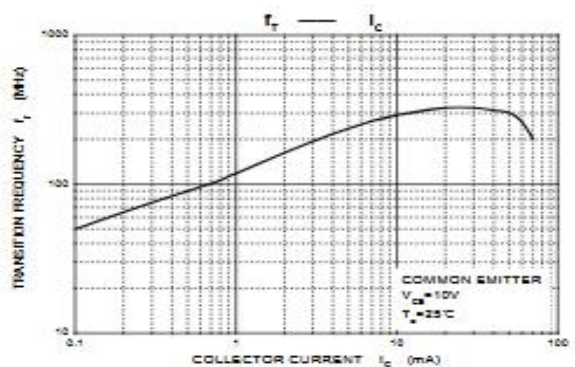
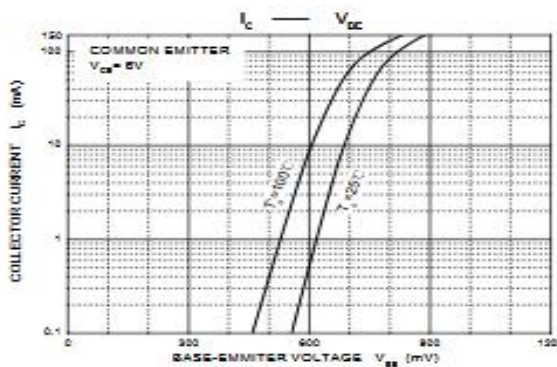
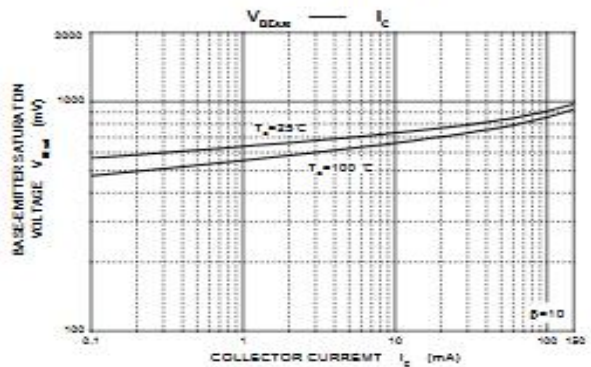
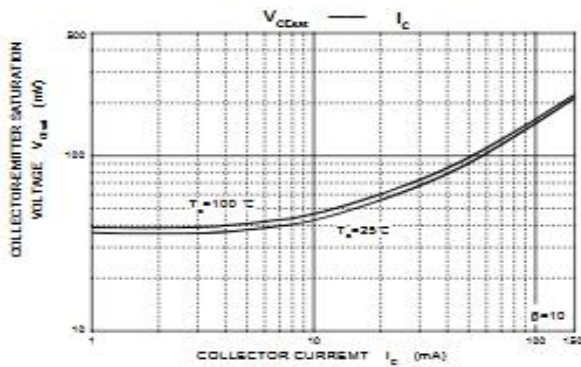
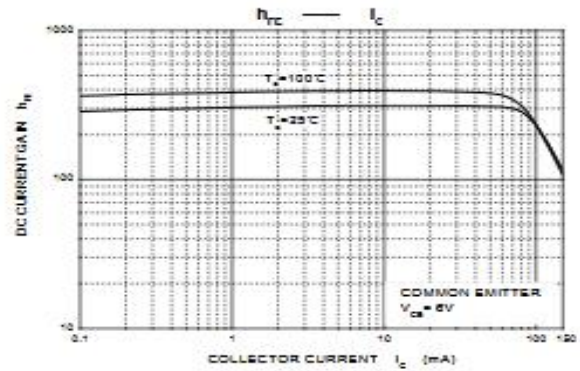
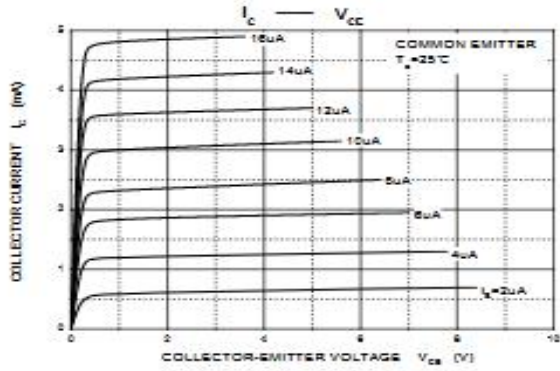
ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Collector-base breakdown voltage	V(BR)CBO	IC= 100µA, IE=0	60	145	200	V
Collector-emitter breakdown voltage	V(BR)CEO	IC= 1mA, IB=0	50	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= 60 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= 6V , 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=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	200-400	
Rank	L	H
Range	150-200	200-400
MARKING		HF

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\(迪恩思\)](#)