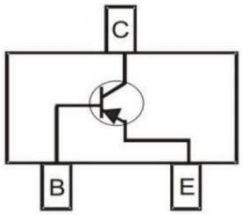
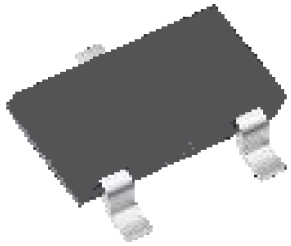
SOT-23 Bipolar Transistor 双极型三极管





■Features 特点

PNP Low Saturation Voltage 低饱和压降

■Absolute Maximum Ratings 最大额定值

Characteristic 特性参数	Symbol 符号	Rat 额定值	Unit 单位
Collector-Base Voltage 集电极基极电压	V_{CBO}	-40	V
Collector-Emitter Voltage 集电极发射极电压	V_{CEO}	-30	V
Emitter-Base Voltage 发射极基极电压	V_{EBO}	-6	V
Collector Current 集电极电流	I_C	-3	A
Power dissipation 耗散功率	$P_C(T_a=25℃)$	0.5	W
Thermal Resistance Junction-Ambient 热阻	$R_{\Theta JA}$	250	℃/W
Junction and Storage Temperature 结温和储藏温度	T_J,T_{stg}	-55to+150℃	

■Device Marking 产品打标

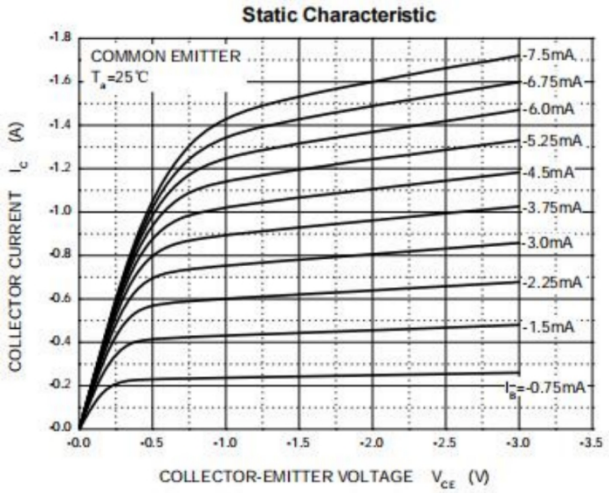
H_{FE}	60-120(R)	100-200(O)	160-320(Y)	200-400(GR)
Mark	B772			

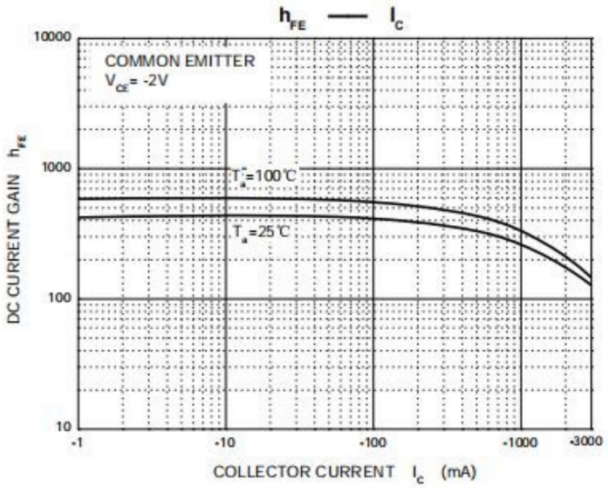
■**Electrical Characteristics 电特性**

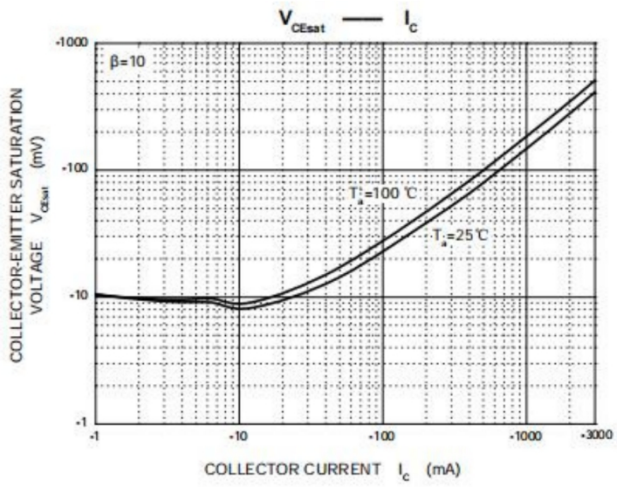
(TA=25℃ unless otherwise noted 如无特殊说明，温度为 25℃)

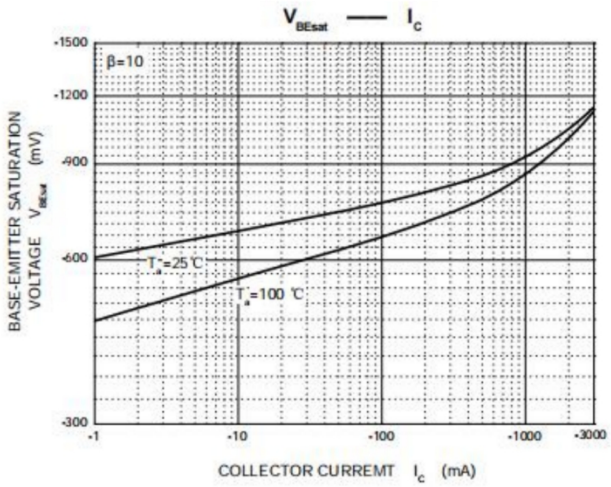
Characteristic 特性参数	Symbol 符号	Min 最小值	Type 典型值	Max 最大值	Unit 单位
Collector-Base Breakdown Voltage 集电极基极击穿电压(I_C= -100μA，I_E=0)	BV_{CBO}	-40	—	—	V
Collector-Emitter Breakdown Voltage 集电极发射极击穿电压(I_C= - 10mA，I_B=0)	BV_{CEO}	-30	—	—	V
Emitter-Base Breakdown Voltage 发射极基极击穿电压(I_E= -100μA，I_C=0)	BV_{EBO}	-6	—	—	V
Collector-Base Leakage Current 集电极基极漏电流(V_{CB}= -40V，I_E=0)	I_{CBO}	—	—	-1	μA
Collector-Emitter Leakage Current 集电极发射极漏电流(V_{CE}= -30V，I_B=0)	I_{CEO}	—	—	-10	μA
Emitter-Base Leakage Current 发射极基极漏电流(V_{EB}= -6V，I_C=0)	I_{EBO}	—	—	-1	μA
DC Current Gain 直流电流增益(V_{CE}= -2V，I_C= -1000mA)	H_{FE}	60	—	400	
Collector-Emitter Saturation Voltage 集电极发射极饱和压降(I_C= -2A，I_B= -0.2A)	$V_{CE(sat)}$	—	—	-0.5	V
Base-Emitter Saturation Voltage 基极发射极饱和压降(I_C= -2A，I_B= -0.2A)	$V_{BE(sat)}$	—	—	-1.5	V
Transition Frequency 特征频率(V_{CE}= -5V，I_C= -100mA)	fT	—	80	—	MHz
Output Capacitance 输出电容(V_{CB}= - 10V，I_E=0, f=1MHz)	Cob	—	35	—	pF

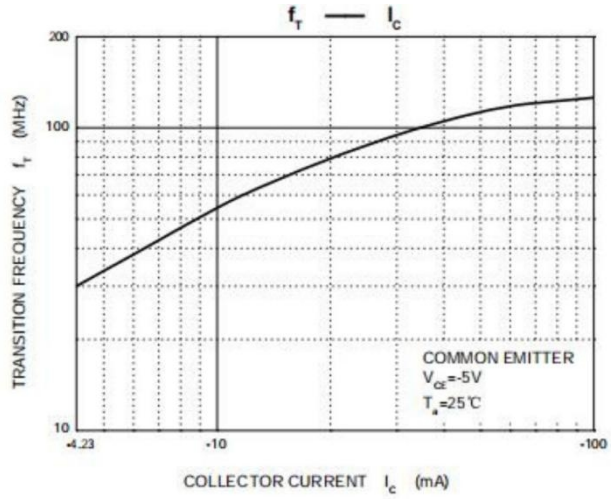
■Typical Characteristic Curve 典型特性曲线

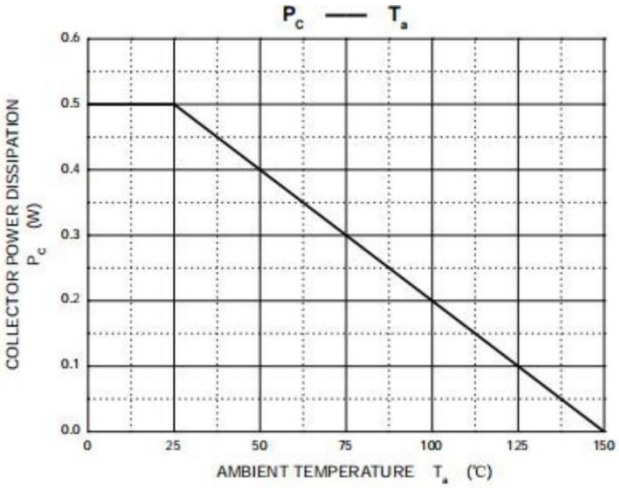




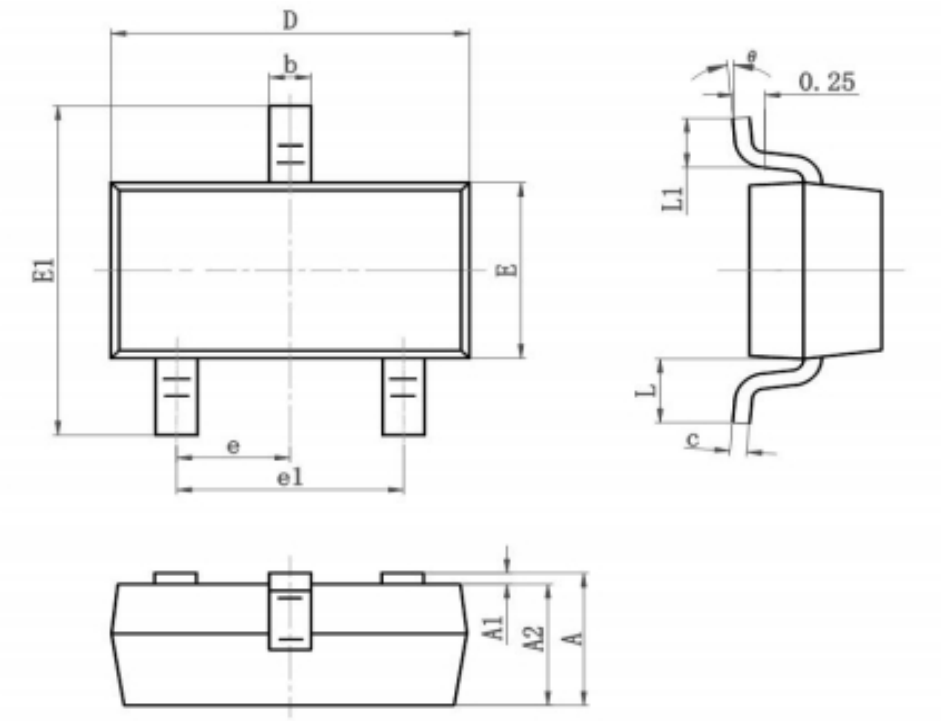








■**Dimension 外形封装尺寸**



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.050	0.055
E1	2.250	2.550	0.089	0.100
e	0.900	1.00	0.035	0.039
e1	1.800	2.000	0.071	0.079
L	0.500	0.600	0.020	0.024
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°