

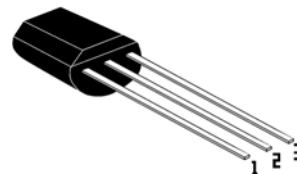
大电流低压晶体管

- 电流输出最大达 5A
- CE 反压达 20V

极限参数(Absolute Maximum Ratings) Ta=25°C

Characteristic	Symbol	Rating	Unit
CollectorBase Voltage	Vcbo	40	V
CollectorEmitter Voltage	Vceo	20	V
EmitterBase Voltage	Vebo	7	V
Collector Current	Ic	5	A
Collector Dissipation	Pc	750	m W
Junction Temperature	Tj	150	°C
Storage Temperature	Tstg	-55~150	°C

T0-92



1: Emitter
2: Collector
3: Base

电性能(Electrical Characteristic) Ta=25°C

Symbol	Characteristic	Test Condition	Min	Typ	Max	Unit
BVcbo	CollectorBase Breakdown Voltage	Ic=100uA Ie=0	40			V
BVceo	CollectorEmitter Breakdown Voltage	Ic=1mA Ib=0	20			V
BVebo	EmitterBase Breakdown Voltage	Ie=100uA Ic=0	7			V
Icbo	Collector Cutoff Current	Vcb=30V, Ie=0			100	nA
Iebo	Emitter Cutoff Current	Veb=3V, Ic=0			100	nA
Vce(sat)	CollectorEmitter Saturation Voltage	Ic=3A, Ib=0.1A		0.3	0.9	V
Hfe1	DC Current Gain	Vce=2V, Ic=1mA		200		
Hfe2	DC Current Gain	Vce=2V, Ic=0.5A	180		800	
Hfe3	DC Current Gain	Vce=2V, Ic=2A	120			
Cob	Output Capacitance	Vcb=20V, Ie=0, f=1MHz		45		PF
fT	Current GainBandwidth product	Vce=6V, Ic=50mA		150		MHz

Class	Q	P	E
Hfe2	180-340	340-560	560-800