

220V系列晶体管 / (220V SERIES TRANSISTORS)
HF4214D

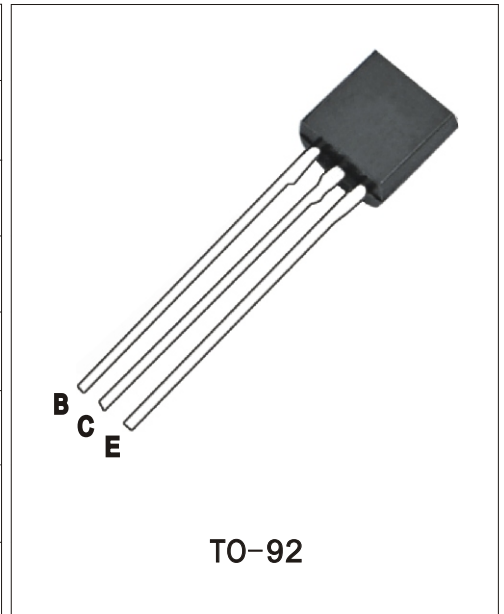
- 特点：耐压高 开关速度快 安全工作区宽 符合ROHS指令
- FEATURES: ■HIGH VOLTAGE CAPABILITY ■HIGH SPEED SWITCHING ■WIDE SOA ■ROHS COMPLIA
- 应用：节能灯 电子镇流器 电子变压器
- APPLICATION: ■FLUORESCENT LAMP ■ELECTRONIC BALLAST ■ELECTRONIC TRANSFORMER

● 最大额定值：(Tc=25°C)

● Absolute Maximum Ratings (Tc=25°C)

TO-92

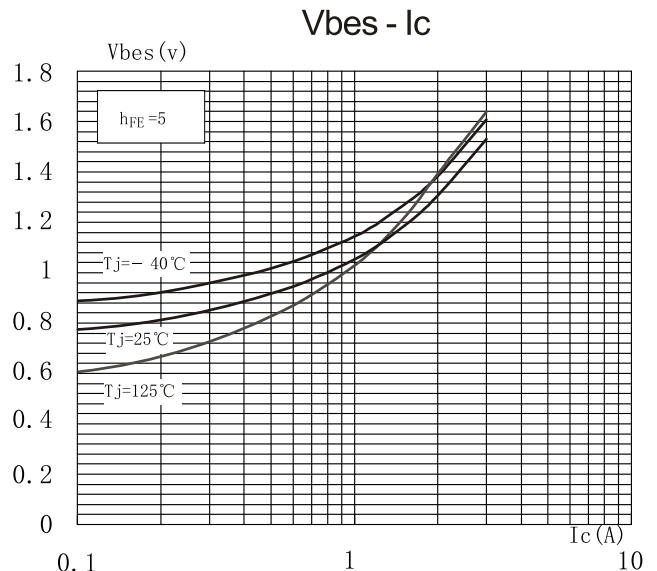
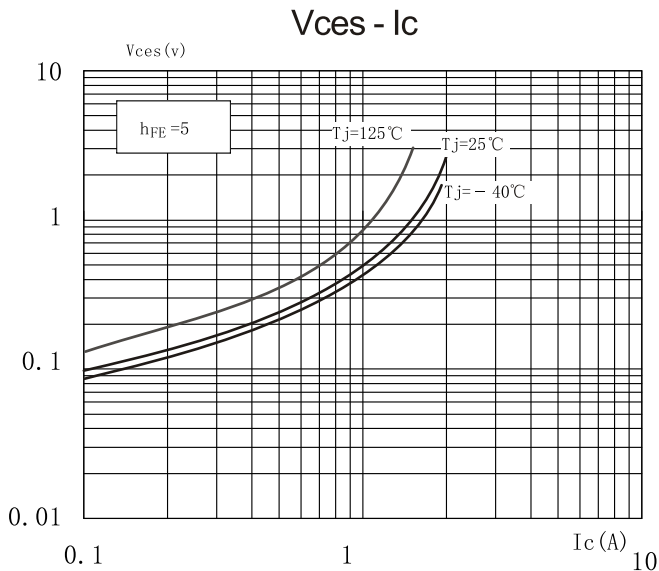
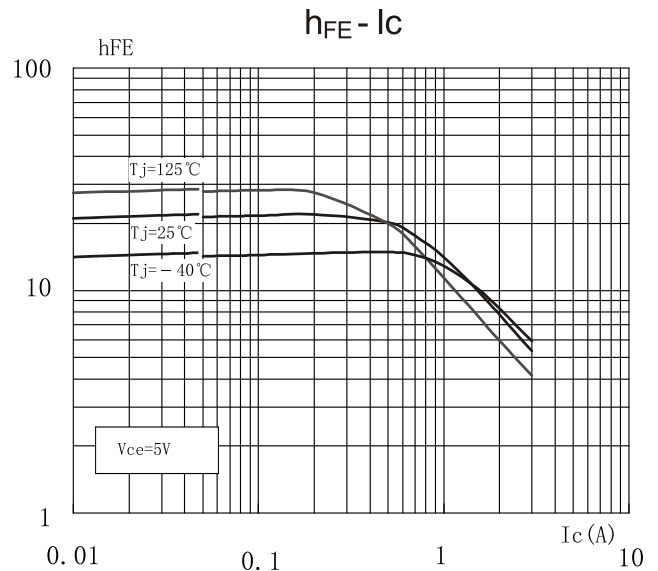
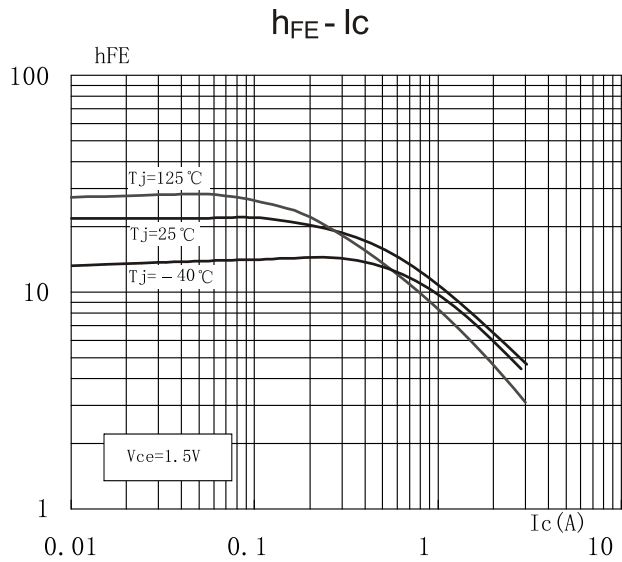
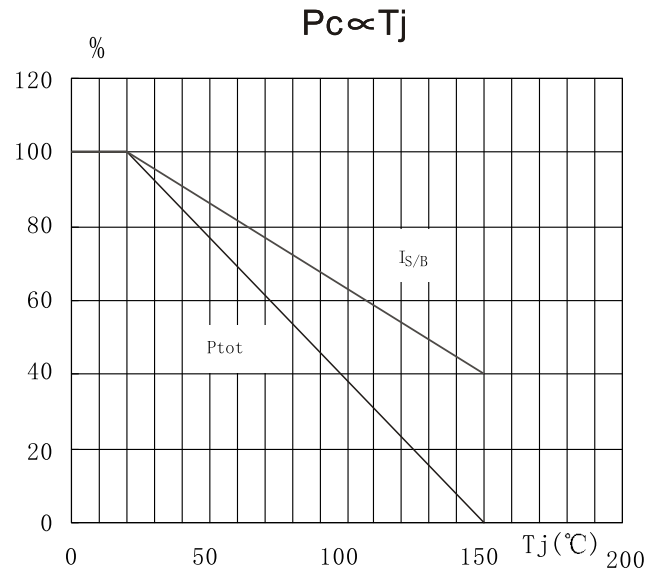
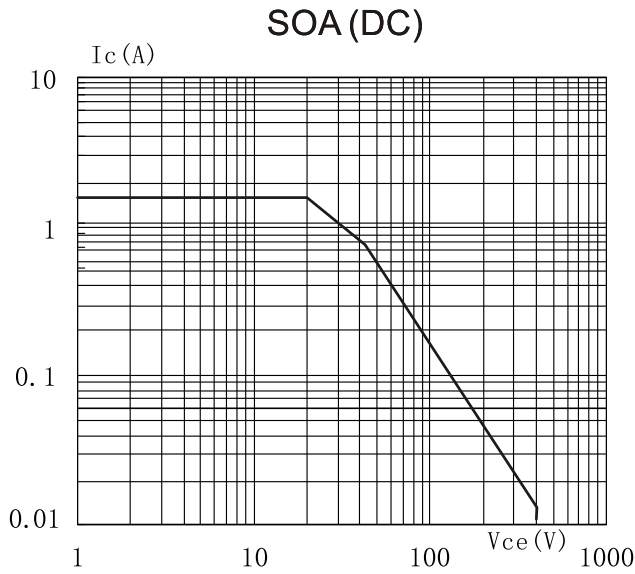
参数 PARAMETER	符号 SYMBOL	额定值 VALUE	单位 UNIT
集电极-基极电压 Collector-Base Voltage	V _{CB0}	700	V
集电极-发射极电压 Collector-Emitter Voltage	V _{CEO}	400	V
发射极-基极电压 Emitter-Base Voltage	V _{EBO}	9	V
集电极电流 Collector Current	I _C	1.5	A
集电极耗散功率 Total Power Dissipation	P _C	18	W
最高工作温度 Junction Temperature	T _J	150	°C
贮存温度 Storage Temperature	T _{STG}	-55-150	°C



● 电特性：(Tc=25°C)

● Electronic Characteristics (Tc=25°C)

参数 PARAMETER	符号 SYMBOL	测试条件 TEST CONDITION	最小值 MIN	最大值 MAX	单位 UNIT
集电极-基极截止电流 Collector-Base Cutoff Current	I _{CB0}	V _{CB} =700V		100	μA
集电极-发射极截止电流 Collector-Emitter Cutoff Current	I _{CEO}	V _{CE} =400V, I _B =0		250	μA
集电极-发射极电压 Collector-Emitter Voltage	V _{CEO}	I _C =10mA, I _B =0	400		V
发射极-基极电压 Emitter-Base Voltage	V _{EBO}	I _E =1mA, I _C =0	9		V
集电极-发射极饱和电压 Collector-Emitter Saturation Voltage	V _{cesat}	I _C =50mA, I _B =10mA		0.40	V
		I _C =0.1A, I _B =20mA		0.50	
		I _C =0.15A, I _B =50mA		0.75	
发射极-基极饱和电压 Emitter-Base Saturation Voltage	V _{besat}	I _C =0.1A, I _B =20mA		1.1	V
电流放大倍数 DC Current Gain	h _{FE}	V _{CE} =5V, I _C =1mA	8	40	
		V _{CE} =5V, I _C =20mA	10		
		V _{CE} =5V, I _C =0.28A	5		
贮存时间 Storage Time	T _s	V _{CC} =5V I _C =0.1A (Ui9600)	0.5	2.0	μS
下降时间 Falling Time	t _f			0.8	



TO-92机械尺寸图

