

220V SERIES TRANSISTORS

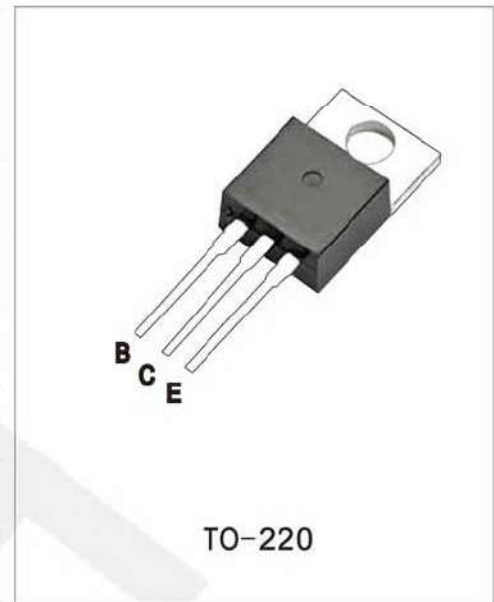
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- FEATURES: ■HIGH VOLTAGE CAPABILITY ■HIGH SPEED SWITCHING ■WIDE SOA ■ROHS COMPLIA
- APPLICATION: ■FLUORESCENT LAMP ■ELECTRONIC BALLAST ■ELECTRONIC TRANSFORMER

● Absolute Maximum Ratings (Tc=25°C)

TO-220

PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	V _{CB0}	750	V
Collector-Emitter Voltage	V _{CE0}	450	V
Emitter-Base Voltage	V _{EB0}	9	V
Collector Current	I _c	5.0	A
Total Power Dissipation	P _c	70	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{STG}	-55-150	°C

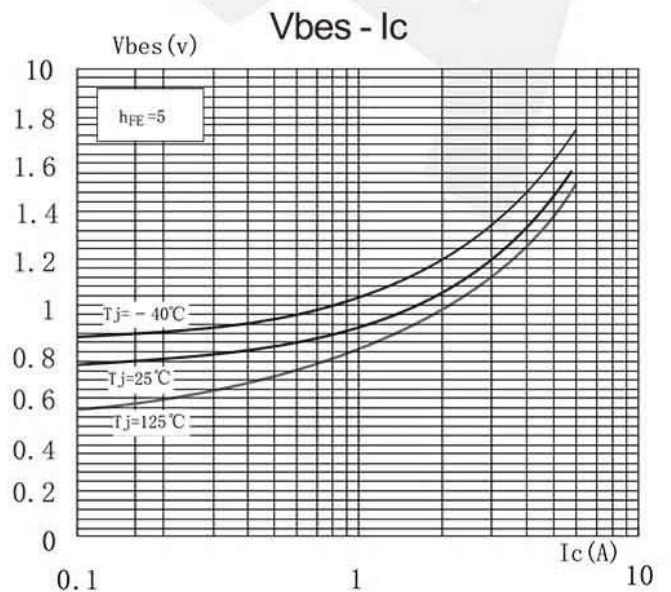
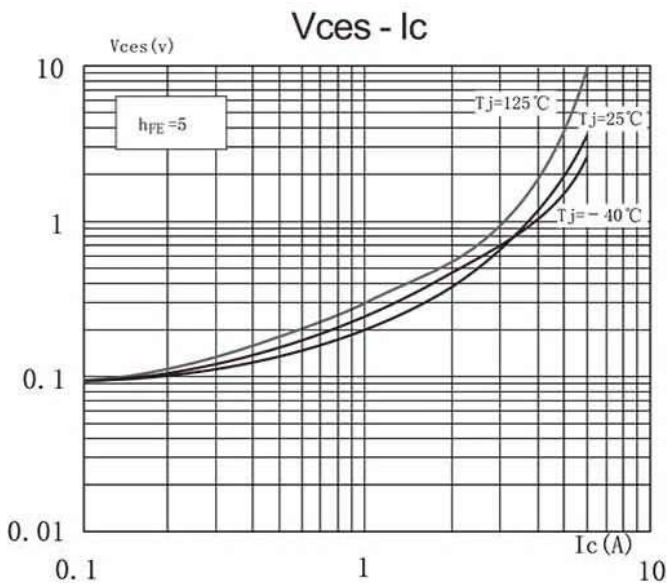
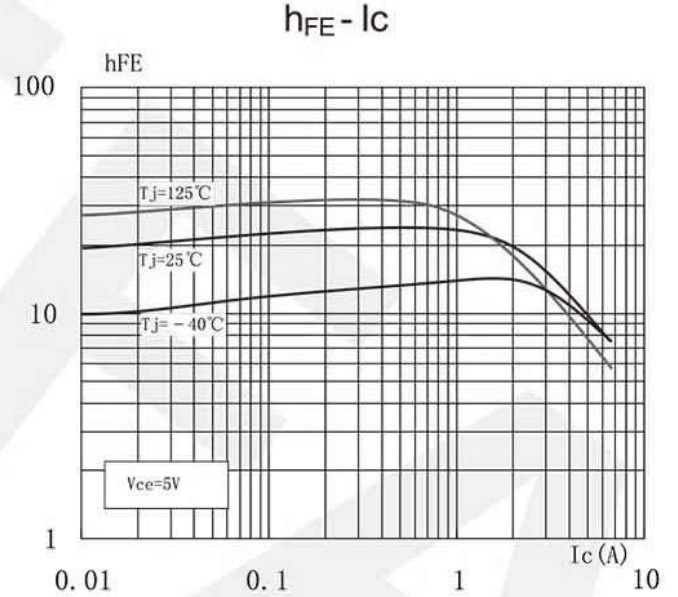
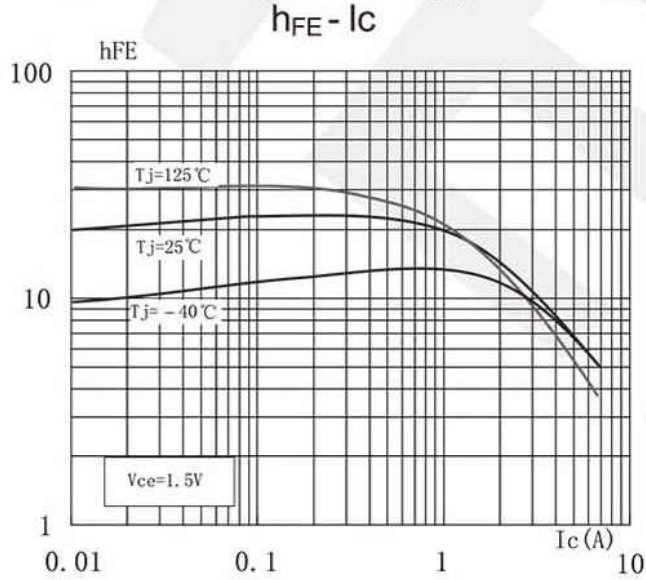
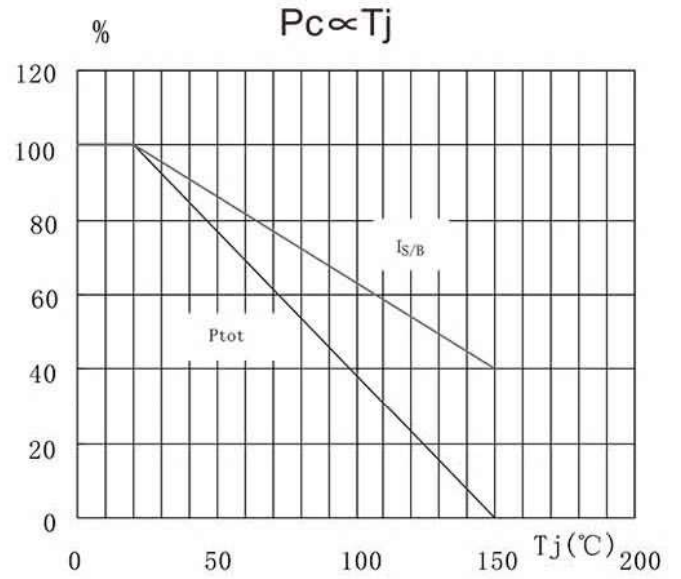
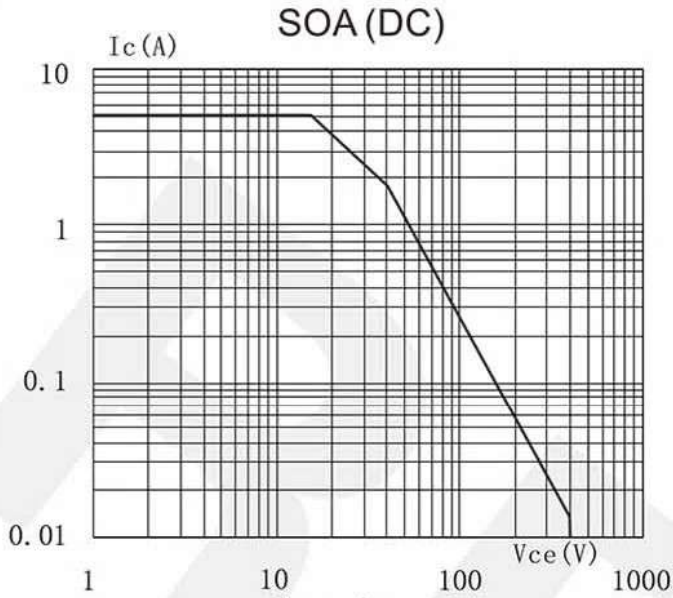


● Electronic Characteristics (Tc=25°C)

PARAMETER	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Collector-Base Cutoff Current	I _{CB0}	V _{CB} =700V		100	μA
Collector-Emitter Cutoff Current	I _{CE0}	V _{CE} =400V, I _B =0		250	μA
Collector-Emitter Voltage	V _{CE0}	I _c =10mA, I _B =0	400		V
Emitter-Base Voltage	V _{EB0}	I _E =1mA, I _c =0	9		V
Collector-Emitter Saturation Voltage	V _{cesat}	I _c =1.0A, I _B =0.2A		0.45	V
		I _c =2.0A, I _B =0.4A		0.65	
		I _c =4.0A, I _B =1.0A		1.20	
Emitter-Base Saturation Voltage	V _{besat}	I _c =2.0A, I _B =0.4A		1.20	V
DC Current Gain	h _{FE}	V _{CE} =5V, I _c =10mA	8	40	
		V _{CE} =5V, I _c =1.0A	10		
		V _{CE} =5V, I _c =5.0A	5		
Storage Time	T _s	V _{CC} =5V I _c =0.5A (Ui9600)	2.0	5.0	μS
Falling Time	t _f			0.8	

220V系列晶体管 / (220V SERIES TRANSISTORS)

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