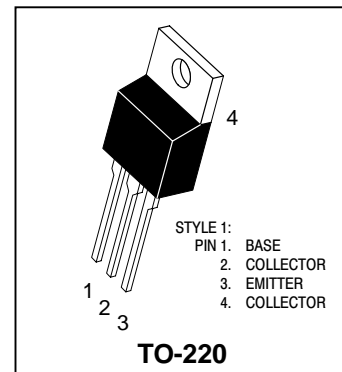


- **FEATURES:** ■ HIGH VOLTAGE CAPABILITY ■ HIGH SPEED SWITCHING ■ WIDE SOA
- **APPLICATION:** ■ FLUORESCENT LAMP ■ ELECTRONIC BALLAST ■ ELECTRONIC TRANSFORMER

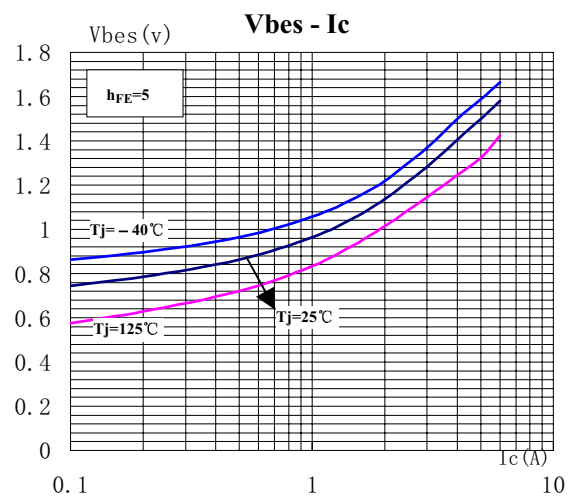
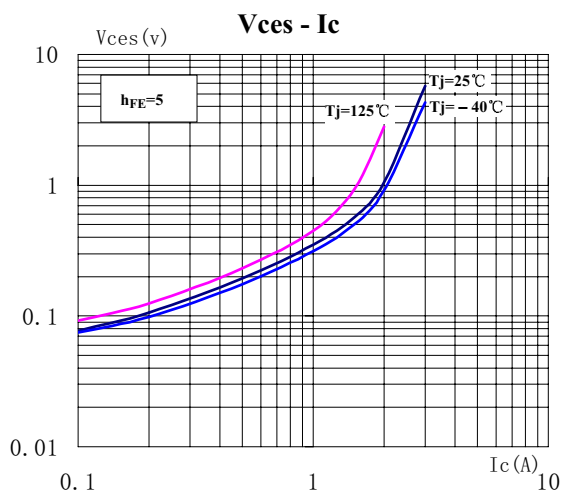
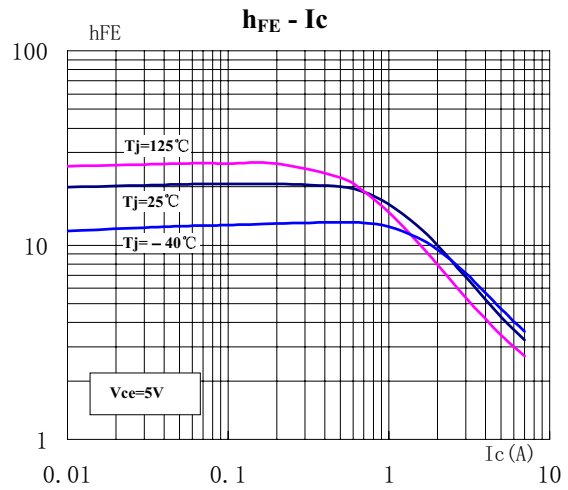
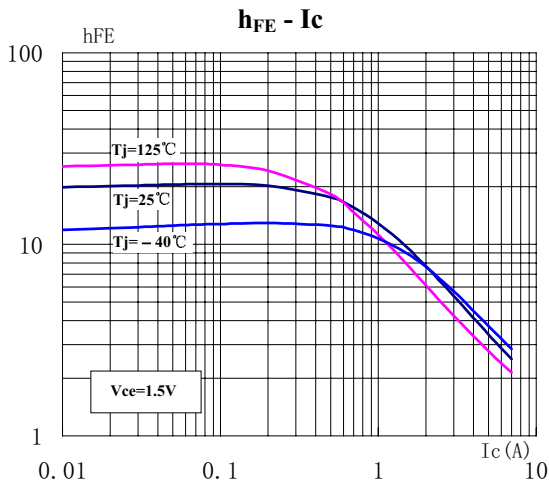
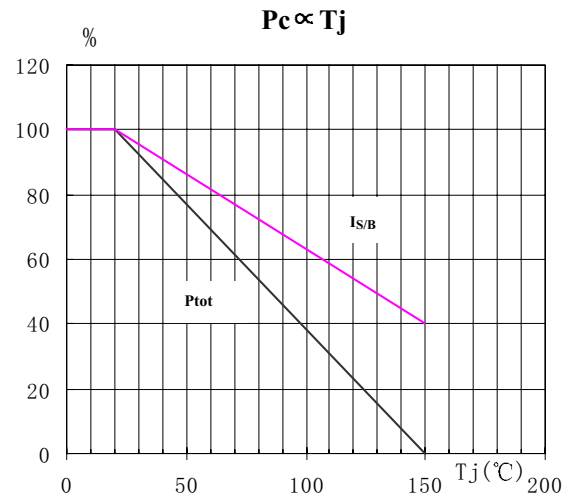
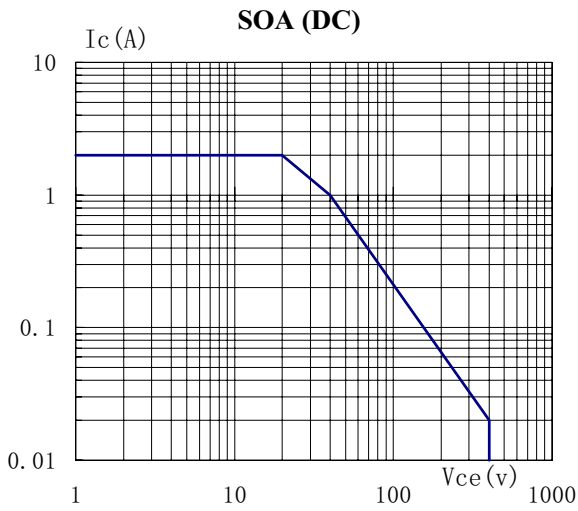
● **Absolute Maximum Ratings (Tc=25°C)** **TO-220**

PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	V _{CBO}	600	V
Collector-Emitter Voltage	V _{CEO}	450	V
Emitter- Base Voltage	V _{EBO}	9	V
Collector Current	I _C	2.0	A
Total Power Dissipation	P _C	50	W
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-65-150	°C



● **Electronic Characteristics (Tc=25°C)**

CHARACTERISTICS	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Collector-Base Cutoff Current	I _{CBO}	V _{CB} =600V		100	μ A
Collector-Emitter Cutoff Current	I _{CEO}	V _{CE} =450V, I _B =0		250	μ A
Collector-Emitter Voltage	V _{CEO}	I _C =10mA, I _B =0	450		V
Emitter -Base Voltage	V _{EBO}	I _E =1mA, I _C =0	9		V
Collector-Emitter Saturation Voltage	V _{ces}	I _C =0.5A, I _B =0.1A		0.5	V
		I _C =1.0A, I _B =0.2A		0.8	
		I _C =1.5A, I _B =0.5A		1.0	
Base-Emitter Saturation Voltage	V _{bes}	I _C =0.5A, I _B =0.1A		1.2	V
DC Current Gain	h _{FE}	V _{CE} =5V, I _C =10mA	8		
		V _{CE} =5V, I _C =0.5A	10	40	
		V _{CE} =5V, I _C =1.0A	8		
Storage Time	t _s	V _{CC} =250V, I _C =5I _B		3	μS
Falling Time	t _f	I _{B1} = -I _{B2} =0.2A		0.8	



TO-220 MECHANICAL DATA

UNIT: mm

SYMBOL	min	nom	max	SYMBOL	min	nom	max
A	4.47		4.67	e		2.54	
A1	2.52		2.82	e1	4.98		5.18
b	0.71		0.91	F	2.59		2.89
b1	1.17		1.37	L	13.40		13.80
c	0.31		0.53	L1	3.56		3.96
c1	1.17		1.37	ϕ	3.79		3.89
D	10.01		10.31				
E	8.50		8.90				
E1	12.06		12.46				

