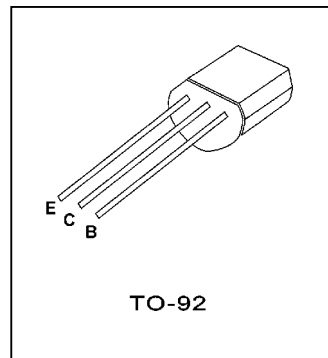


● **FEATURES:** ■ HIGH VOLTAGE CAPABILITY ■ HIGH SPEED SWITCHING ■ WIDE SOA

● **APPLICATION:** ■ ADAPTOR CHARGER ■ ELECTRONIC BALLAST

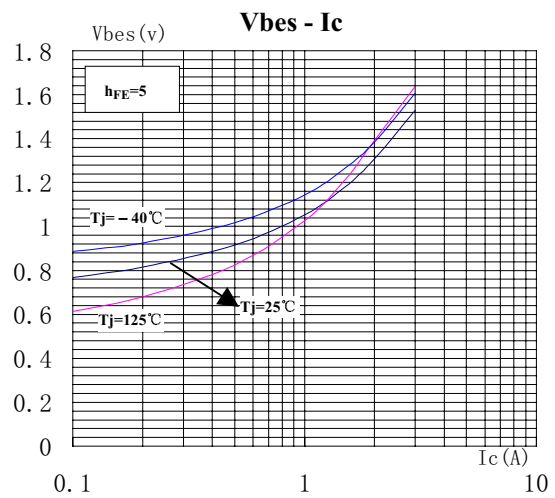
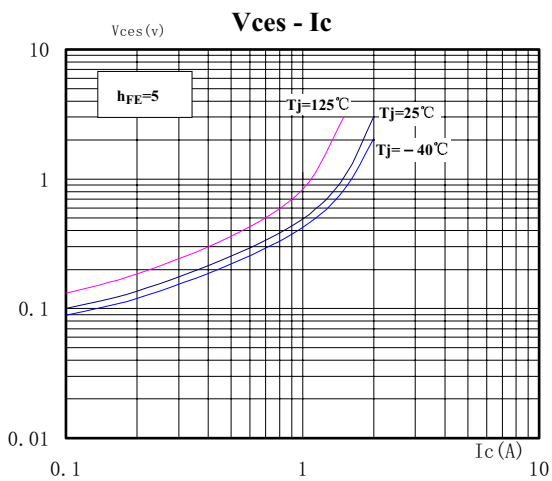
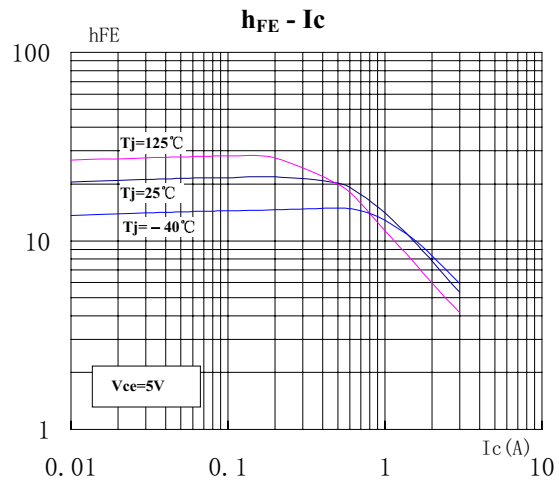
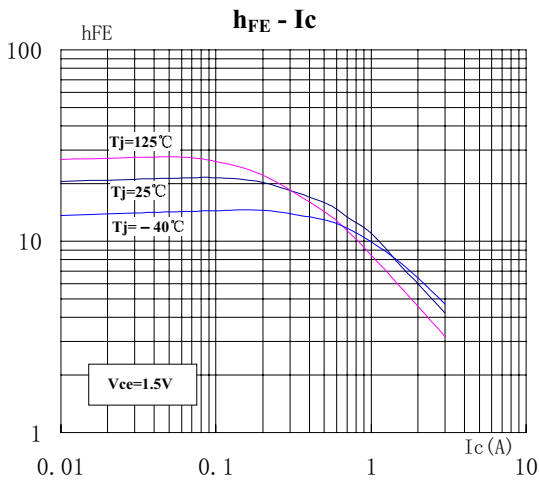
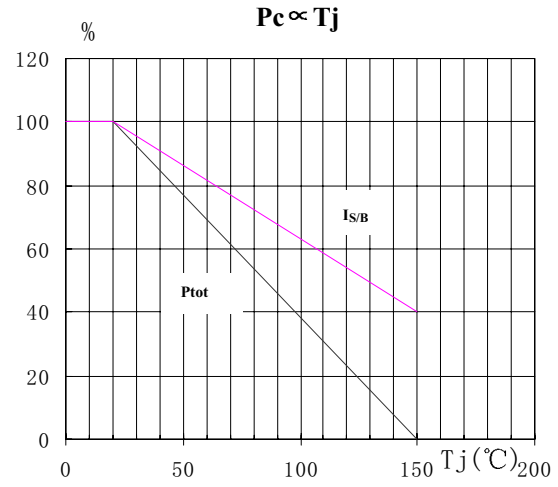
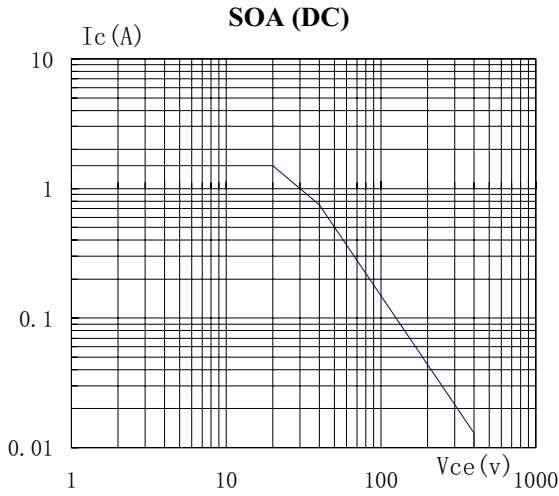
● **Absolute Maximum Ratings (Tc=25°C)** **TO-92**

PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	V _{CBO}	700	V
Collector-Emitter Voltage	V _{CEO}	480	V
Emitter- Base Voltage	V _{EBO}	9	V
Collector Current	I _C	1.0	A
Total Power Dissipation	P _C	11	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} =700V		100	μ A
Collector-Emitter Cutoff Current	I _{CEO}	V _{CE} =480V, I _B =0		250	μ A
Collector-Emitter Voltage	V _{CEO}	I _C =10mA, I _B =0	480		V
Emitter- Base Voltage	V _{EBO}	I _E =1mA, I _C =0	9		V
Collector-Emitter Saturation Voltage	V _{ces}	I _C =0.2A, I _B =0.04A		0.5	V
		I _C =0.5A, I _B =0.1A		1.0	
		I _C =0.8A, I _B =0.2A		3.0	
Base-Emitter Saturation Voltage	V _{bes}	I _C =0.2A, I _B =0.04A		1.2	V
DC Current Gain	h _{FE}	V _{CE} =5V, I _C =5mA	8		
		V _{CE} =5V, I _C =0.2A	10	40	
		V _{CE} =5V, I _C =0.8A	8		
Storage Time	t _s	V _{CC} =250V, I _C =5I _B		2.5	μS
Falling Time	t _f	I _{B1} = -I _{B2} =0.1A		0.8	



TO-92 MECHANICAL DATA

UNIT: mm

SYMBOL	min	nom	max
A	4.3		5.3
b	0.3		
c	0.3		
ϕD	4.3		5.2
D			
d	1.0		1.7
E	3.2		4.2
e		2.54	
e1		1.27	
L	12.7		
L1			2.0

