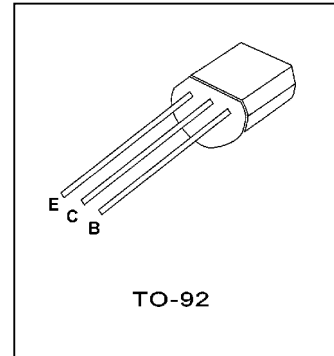


● **FEATURES:** ■ HIGH VOLTAGE CAPABILITY    ■ HIGH SPEED SWITCHING    ■ WIDE SOA

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

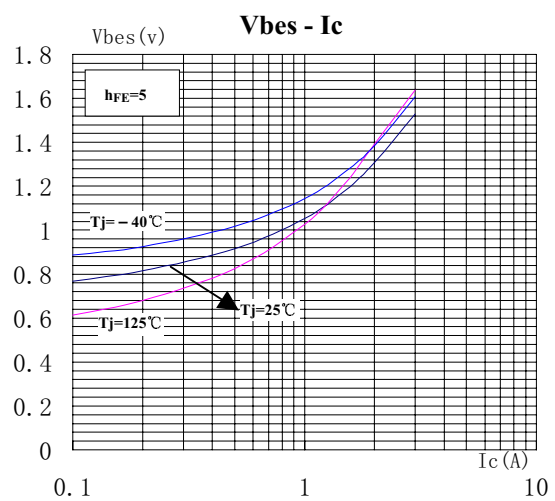
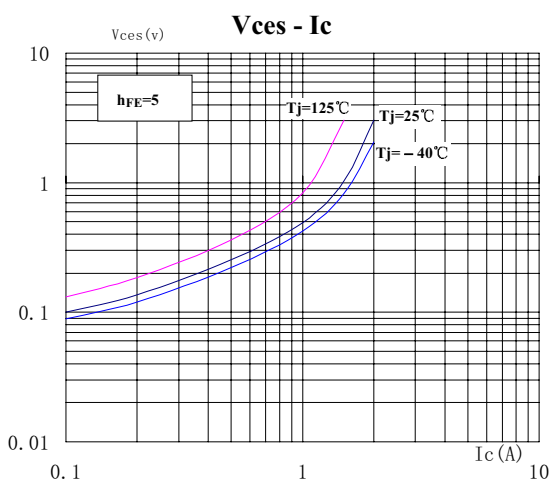
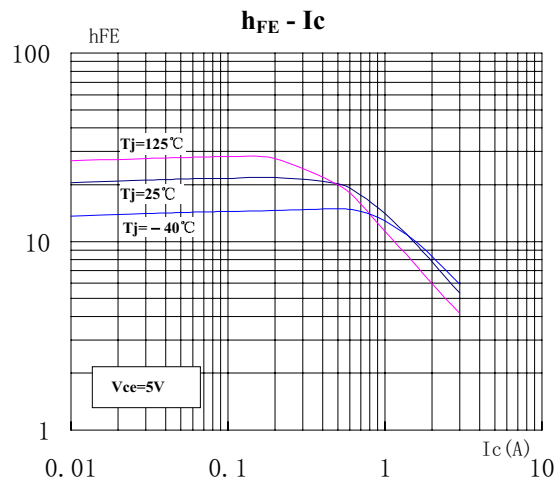
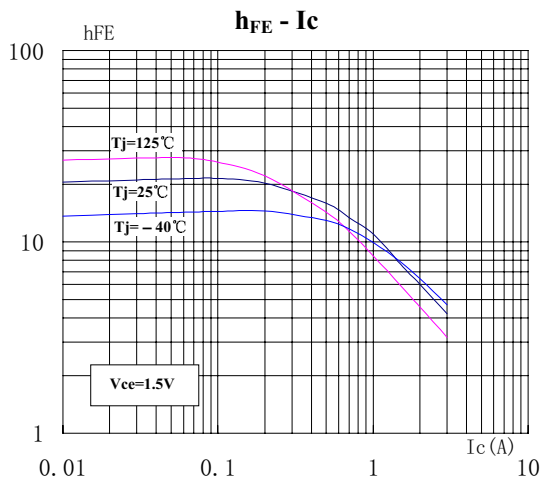
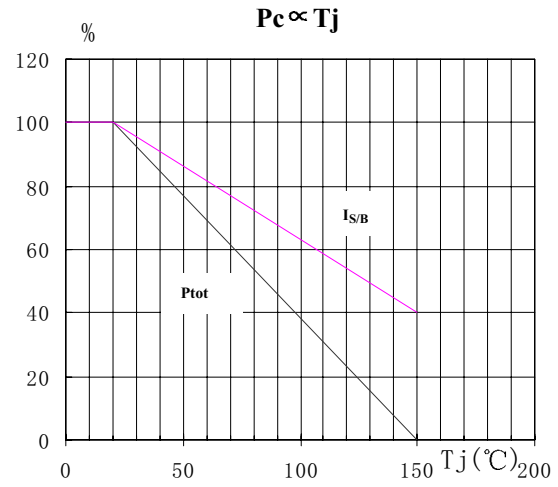
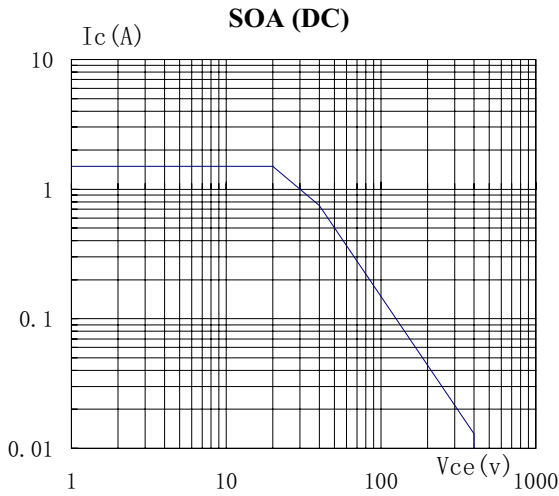
● **Absolute Maximum Ratings ( Tc=25°C )** **TO-92**

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	$I_C$	1.5	A
Total Power Dissipation	$P_C$	20	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	$\mu A$
Collector-Emitter Cutoff Current	$I_{CEO}$	$V_{CE}=480V, I_B=0$		250	$\mu A$
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
		$I_C=0.5A, I_B=0.1A$		0.7	
		$I_C=1.5A, I_B=0.5A$		1.5	
Base-Emitter Saturation Voltage	$V_{bes}$	$I_C=0.5A, I_B=0.1A$		1.5	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	$t_s$	$V_{CC}=250V,$ $I_C=5I_B$ $I_{B1} = -I_{B2}=0.16A$		3.0	$\mu S$
Falling Time	$t_f$			0.8	



**TO-92 MECHANICAL DATA**

UNIT: mm

SYMBOL	min	nom	max
A	4.3		5.3
b	0.3		
c	0.3		
$\phi D$	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

