

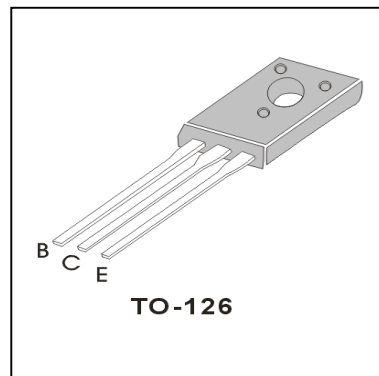
● **FEATURES:** ■ HIGH VOLTAGE CAPABILITY ■ HIGH SPEED SWITCHING ■ WIDE SOA

● **APPLICATION:** ■ FLUORESCENT LAMP ■ ELECTRONIC BALLAST ■ ELECTRONIC TRANSFORMER

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

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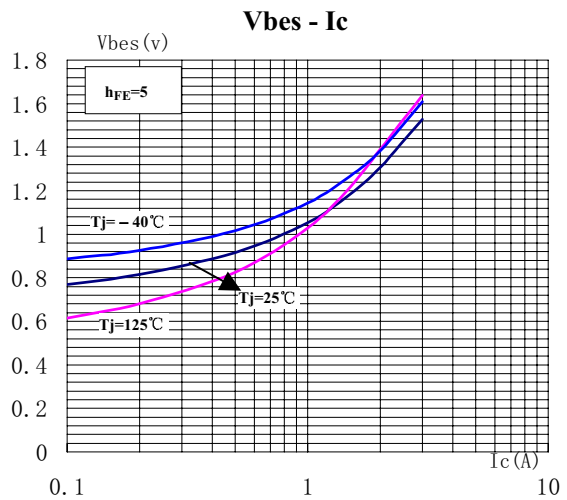
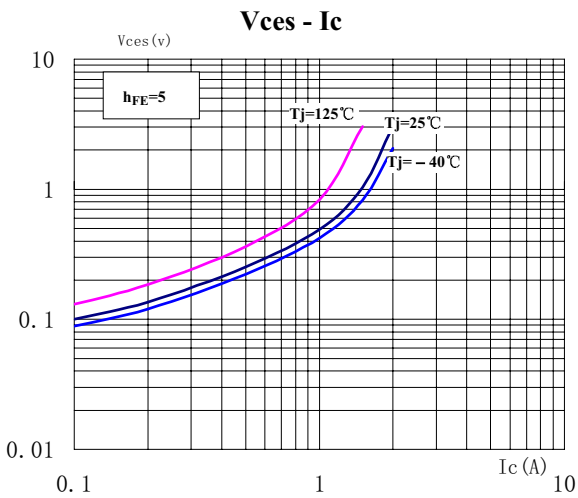
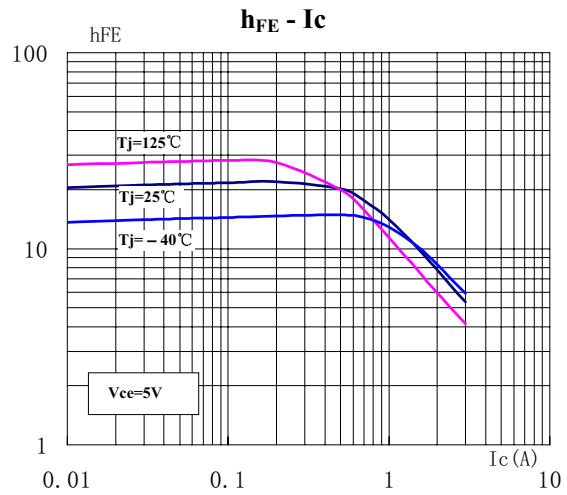
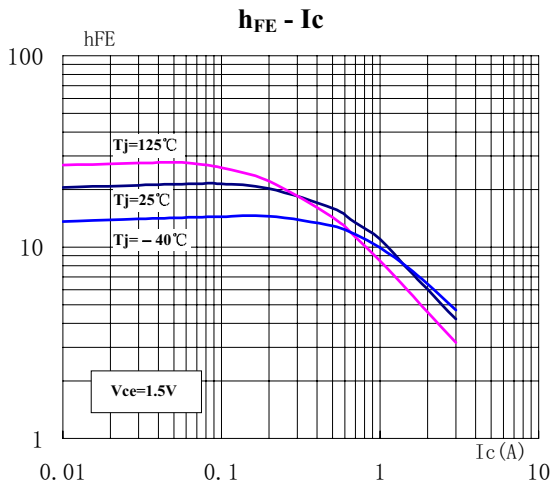
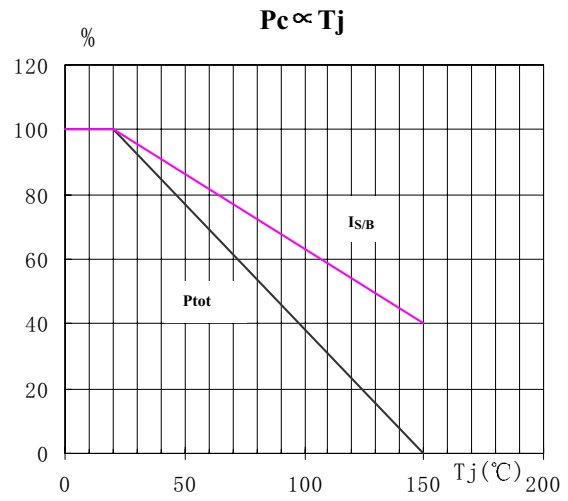
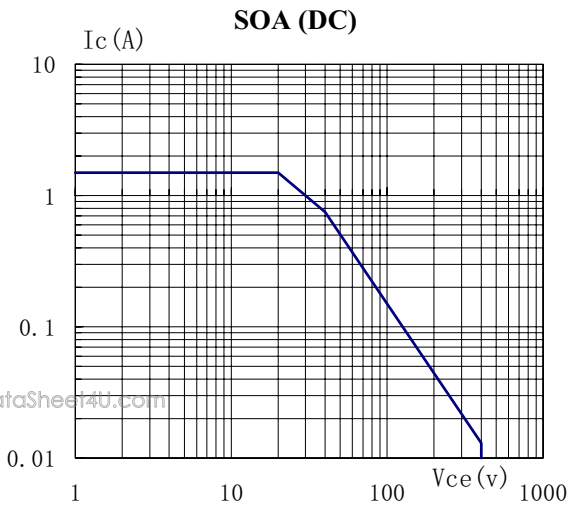
PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	V _{CBO}	700	V
Collector-Emitter Voltage	V _{CEO}	450	V
Emitter-Base Voltage	V _{EBO}	9	V
Collector Current	I _C	1.5	A
Total Power Dissipation	P _C	30	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-65-150	°C



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

CHARACTERISTICS	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Collector-Base Cutoff Current	I _{CBO}	V _{CB} =700V		100	μA
Collector-Emitter Cutoff Current	I _{CEO}	V _{CE} =450V, I _B =0		250	μA
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 =0.25A		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		1.5	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,		3	μS
Falling Time	t _f	I _C =5I _B I _{B1} = -I _{B2} =0.2A		0.8	



TO-126 MECHANICAL DATA

UNIT: mm

SYMBOL	min	nom	max	SYMBOL	min	nom	max
A	2.3		2.8	L	15.3		16.5
B	1.0		1.2	L1			2.54
B1	0.8		1.0	ϕP	3.0		3.2
b	0.65		0.88	$\phi P1$		5.0	
c	0.45		0.60	Q	3.6		4.4
D	10.5		11.1	Q1	0.9		1.5
E	7.2		7.8	R		0.5*	
e		2.29					

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