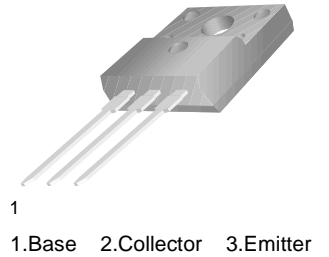


■■ APPLICATION: High-Voltage Switching Applications.

■■ MAXIMUM RATING (Ta=25°C)

PARAMETER		SYMBOL	RATING	UNIT
Collector-base voltage		V _{CB0}	300	V
Collector-emitter voltage		V _{CEO}	300	V
Emitter-base voltage		V _{EB0}	5	V
Collector current		I _c	0.1	A
Power Dissipation	T _a =25°C	P _c	2	W
	T _c =25°C		10	
Junction Temperature		T _j	150	°C
Storage Temperature Range		T _{stg}	-55-150	°C

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■■ ELECTRICAL CHARACTERISTICS

(Ta=25°C)

PARAMETER	SYMBOL	TEST CONDITION	RATING			UNIT
			MIN.	TYP.	MAX.	
Collector-Base Breakdown Voltage	BV _{cbo}	I _c =0.05 mA ,I _e =0	300			V
Collector-Emitter Breakdown Voltage	BV _{ceo}	I _c =1 mA ,I _b =0	300			V
Emitter-Base Breakdown Voltage	BV _{ebo}	I _e =0.05 mA ,I _c =0	5			V
Collector Cut-off Current	I _{cbo}	V _{cb} =200 V ,I _e =0			0.5	uA
Emitter Cut-off Current	I _{ebo}	V _{cb} =4 V ,I _e =0			0.5	uA
Collector-Emitter Saturation Voltage	V _{ce(sat)}	I _c =50mA ,I _b =5mA		0.2	1	V
DC Current Gain	H _{FE}	V _{ce} =10V,I _c =10mA	60		200	β
Gain bandwidth product	f _T	V _{ce} =30V, I _e =-20mA, f=30MHz	50	100		MHz
Common Base Output Capacitance	C _{ob}	V _{cb} =30V, I _e =0, f=1MHz		3		PF

■■ hFE Classification And Marking

Print Mark	C5147
Classification	
HFE	60~200