

Absolute Maximum Ratings	T _a =25°C unless otherwise noted

Symbol	Parameter	Value	Units	
V _{CBO}	Collector-Base Voltage	120	V	
V _{CEO}	Collector-Emitter Voltage	120	V	
V _{EBO}	Emitter-Base Voltage	5	V	
I _C	Collector Current	50	mA	
I _B	Base Current	10	mA	
P _C Collector Dissipation		300	mW	
Junction Temperature		150	°C	
T _{STG}	Storage Temperature	-55 ~ 150	°C	

Electrical Characteristics Ta=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CBO}	Collector Cut-off Current	V _{CB} =120V, I _E =0			50	nA
I _{EBO}	Emitter Cut-off Current	V _{EB} =5V, I _C =0			50	nA
h _{FE1}	DC Current Gain	V _{CE} =6V, I _C =0.1mA	150	580		
h _{FE2}		V _{CE} =6V, I _C =1mA	200	600	1200	
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} =6V, I _C =1mA	0.55	0.59	0.65	V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =10mA, I _B =1mA		0.07	0.3	V
f _T	Current Gain Bandwidth Product	V _{CE} =6V, I _C =1mA	50	110	-17	MHz
C _{ob}	Output Capacitance	V _{CB} =30V, I _E =0, f=1MHz	-	1.6	2.5	pF

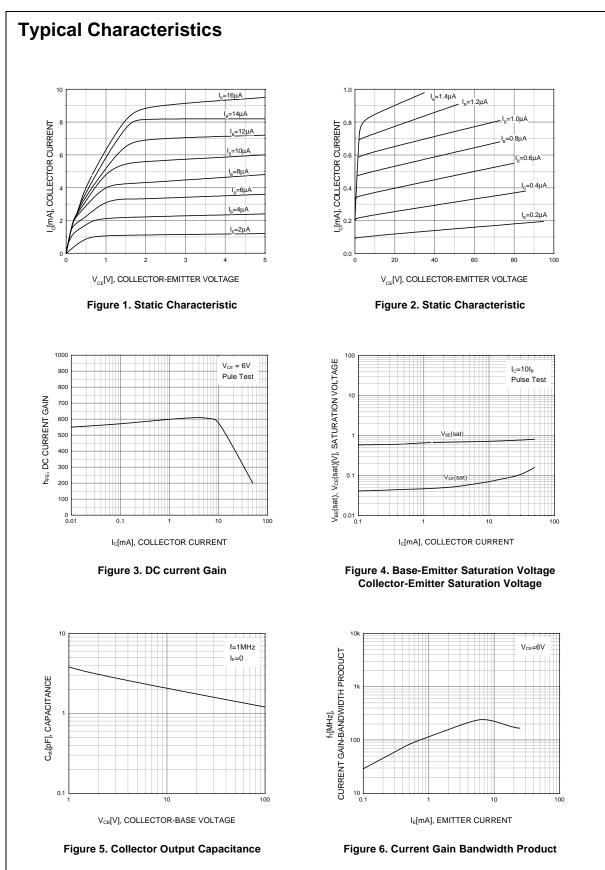
h_{FE2} Classification

Classification	Р	F	E	U
h _{FE2}	200 ~ 400	300 ~ 600	400 ~ 800	600 ~ 1200
A STATE	1 150.0			

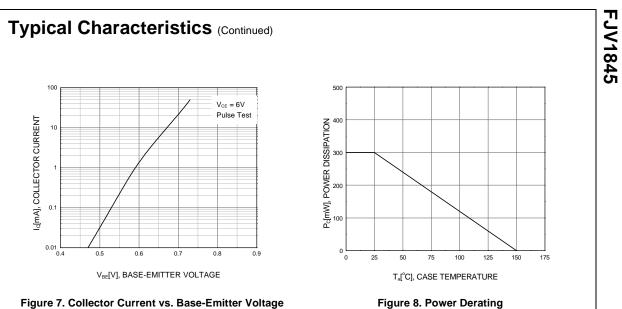


hFE Classification

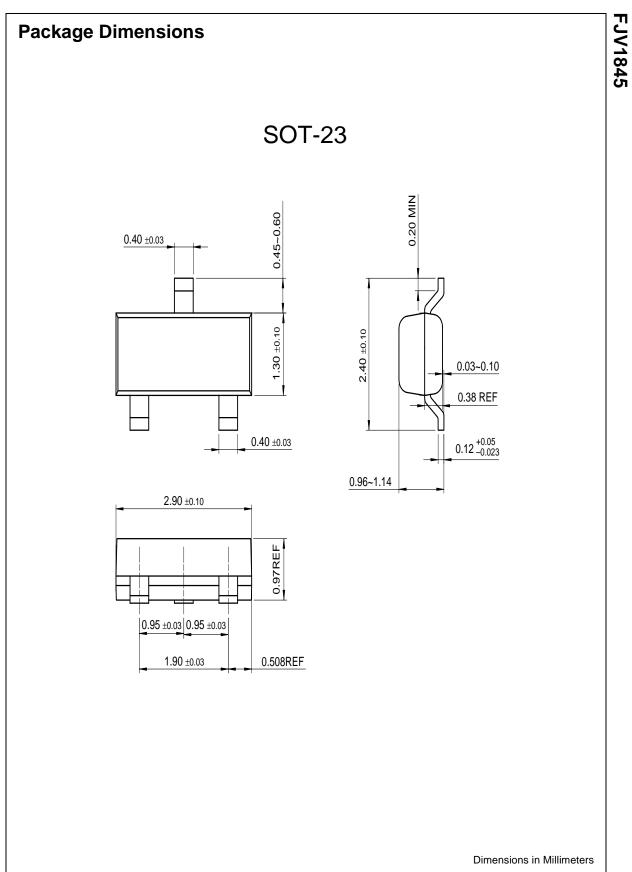
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