





PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	-200	V
V _{CEO}	Collector-Emitter Voltage	-140	V
V _{EBO}	Emitter-Base Voltage	-6	V
I _C	Collector Current (DC)	-10	А
B	Base Current (DC)	-1.5	A
Pc	Collector Dissipation (T _C =25°C)	80	W
R _{θJC}	Junction to Case	1.33	°C/W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

Electrical Characteristics T_C=25°C unless otherwise noted

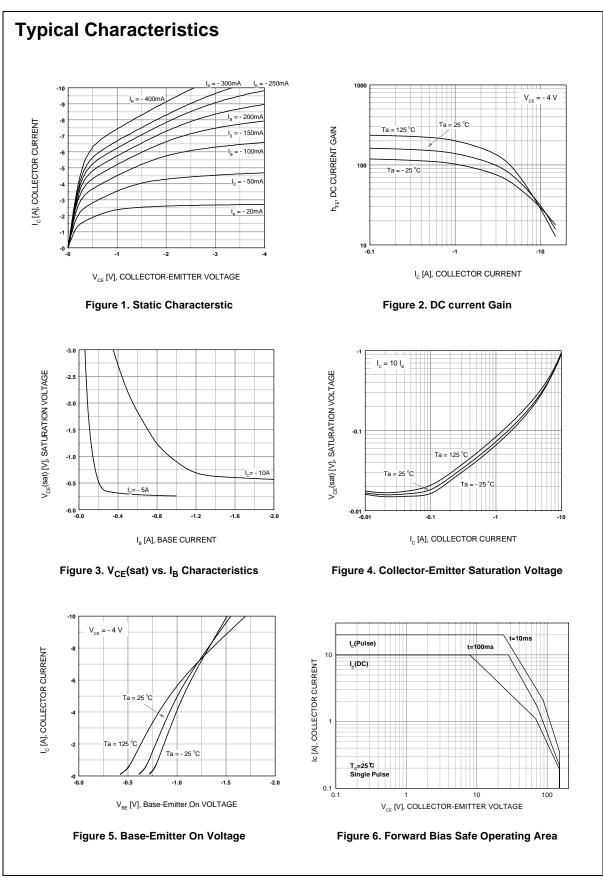
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C =-5mA, I _E =0	-200			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C =-50mA, R _{BE} =∞	-140			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E =-5mA, I _C =0	-6			V
ICBO	Collector Cut-off Current	V _{CB} =-200V, I _E =0			-10	μΑ
I _{EBO}	Emitter Cut-off Current	V _{EB} =-6V, I _C =0			-10	μA
h _{FE}	* DC Current Gain	V _{CE} =-4V, I _C =-3A	50		180	101
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =-5A, I _B =-0.5A	0	373	-0.5	V
C _{ob}	Output Capacitance	V _{CB} =-10V, f=1MHz		400	1.0	pF
f _T	Current Gain Bandwidth Product	V _{CE} =-5V, I _C =-1A	12.70	30		MHz

* Pulse Test : PW=20µs

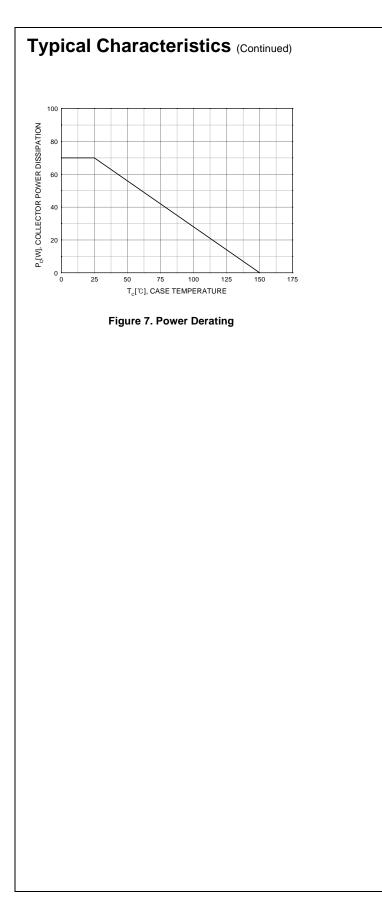
h_{FE} Classification

Classification	R	0	Y
h _{FE}	50 ~ 100	70 ~ 140	90 ~ 180

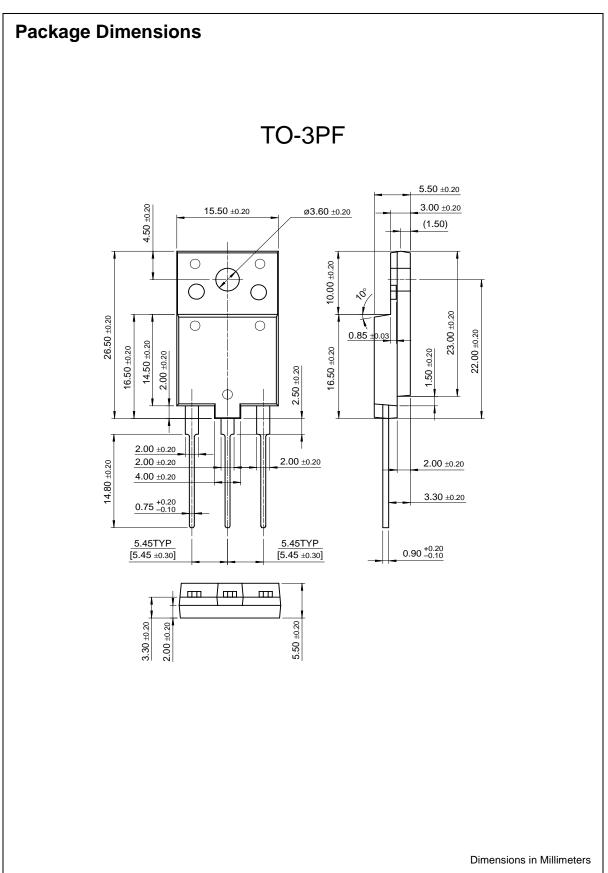




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