

PNP Epitaxial Silicon Transistor

Absolute Maximum	Ratings	T _a =25°C unless otherwise noted	
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Symbol	Parameter	Ratings	Units
V _{CBO}	Collector-Base Voltage	-30	V
V _{CEO}	Collector-Emitter Voltage	-25	V
V _{EBO}	Emitter-Base Voltage	-5	V
lc	Collector Current	-1.0	A
Pc	Collector Power Dissipation	800	mW
Гј	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

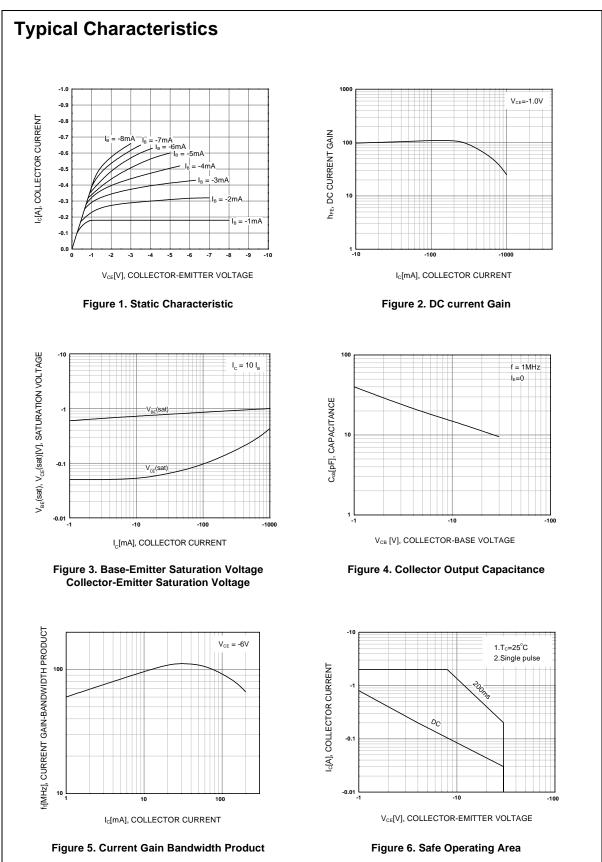
Electrical Characteristics Ta=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	Ι _C = -100μΑ, Ι _Ε =0	-30			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA, I _B =0	-25			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -100μA, I _C =0	-5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = -30V, I _E =0			-0.1	μA
h _{FE}	DC Current Gain	V _{CE} = -1V, I _C = -100mA	70		400	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -1A, I _B = -0.1A			-0.5	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = -1A, I _B = -0.1A			-1.2	V
f _T	Current Gain Bandwidth Product	V _{CE} = -6V, I _C = -10mA		110	200	MHz
C _{ob}	Output Capacitance	V _{CB} = -6V, I _E =0, f=1MHz		18	107	pF

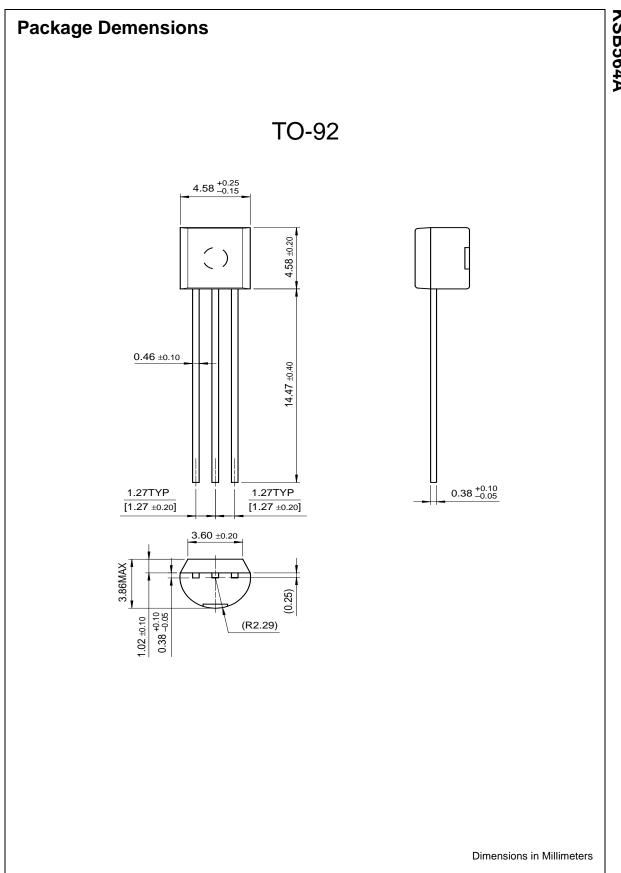
h_{FE} Classification

Classification	0	Y	G
h _{FE}	70 ~ 140	120 ~ 240	200 ~ 400





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