





NPN Epitaxial Silicon Transistor

Absolute Maximum	Ratings T _C =25°C unless otherwise noted	b
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Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	200	V
V _{CEO}	Collector-Emitter Voltage	150	V
V _{EBO}	Emitter-Base Voltage	5	V
Ic	Collector Current	2	А
P _C	Collector Dissipation (T _C =25°C)	25	W
Тј	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C
Electrica	Characteristics T _C =25°C unless otherwise noted	A TE WWW.C	250.0

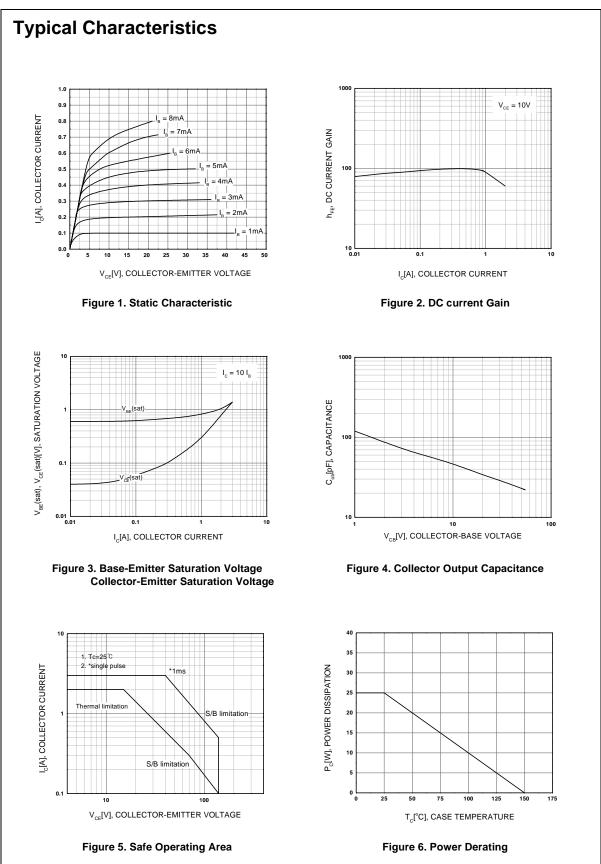
Electrical Characteristics T_C=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = 500uA, I _E = 0	200			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = 10mA, I _B = 0	150			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = -500uA, I _C = 0	5			V
I _{CBO}	Collector Cut-off Current	V _{CB} = 150V, I _E = 0			50	μA
h _{FE}	DC Current Gain	$V_{CE} = 10V, I_{C} = 0.4A$	40		400	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 500mA, I _B = 50mA			1	V
^f T	Current Gain Bandwidth Product	$V_{CE} = 10V, I_{C} = 0.4A$		5	10	MHz

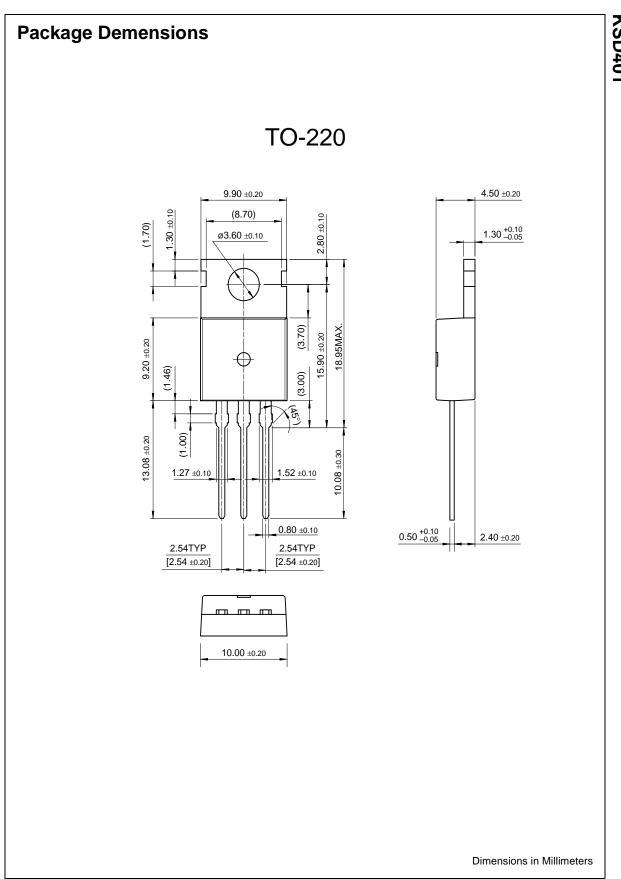
h_{FF} Classification

Classification	R	0	Y	G
h _{FE}	40 ~ 80	70 ~ 140	120 ~ 240	200 ~ 400
	- FARM			
-				

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