

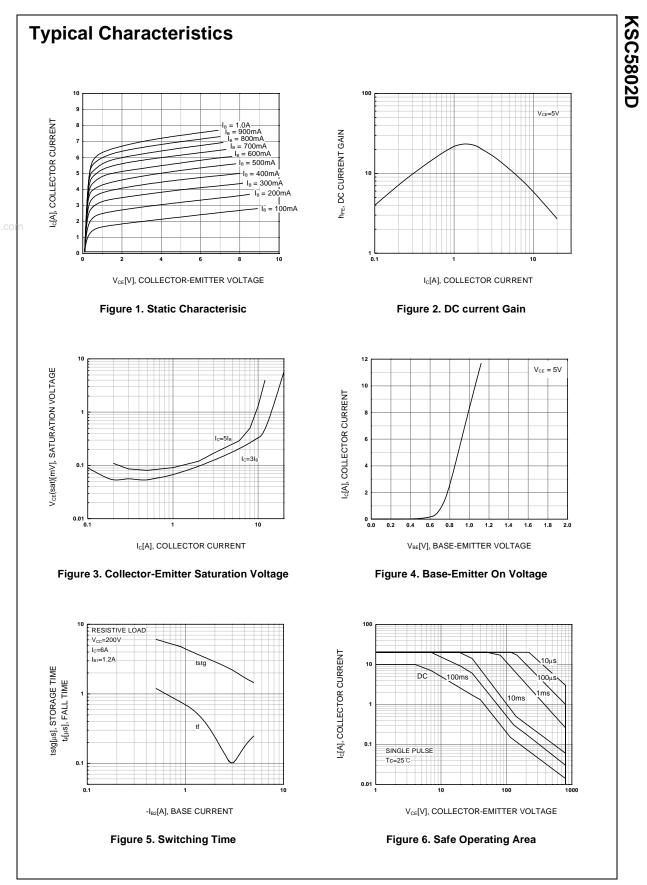
NPN Triple Diffused Planar Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units	
V _{CBO}	Collector-Base Voltage	1500	V	
V _{CEO}	Collector-Emitter Voltage	800	V	
V _{EBO}	Emitter-Base Voltage	6	V	
I _C	Collector Current (DC)	10	А	
I _{CP}	Collector Current (Pulse)	30	А	
P _C	Collector Dissipation (T _C =25°C)	60	W	
TJ	Junction Temperature	150	°C	
T _{STG}	Storage Temperature	- 55 ~ 150	°C	

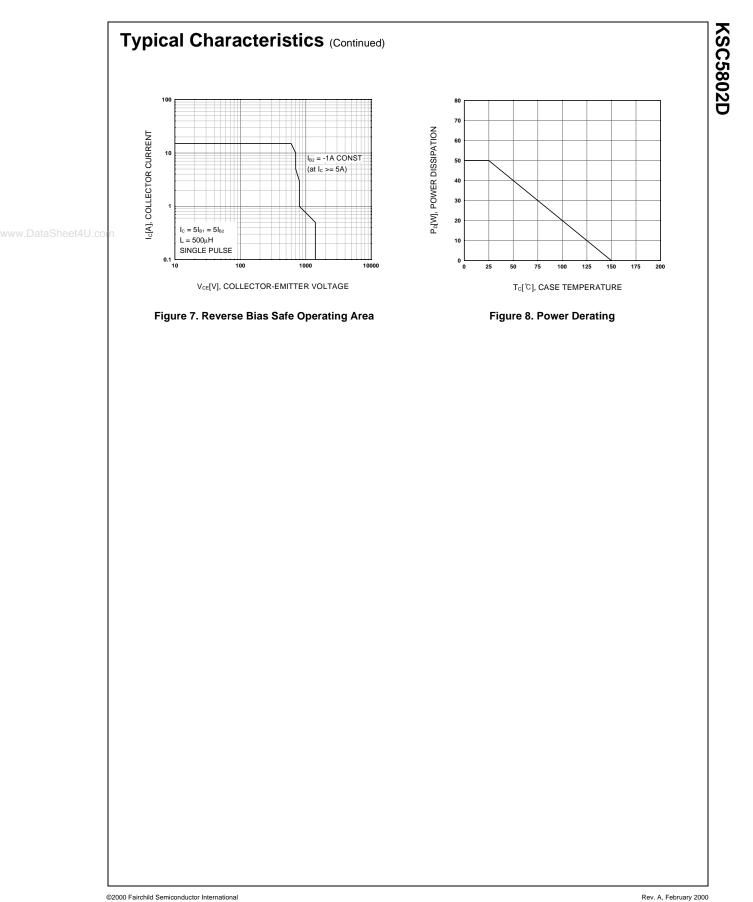
Electrical Characteristics T_C=25°C unless otherwise noted

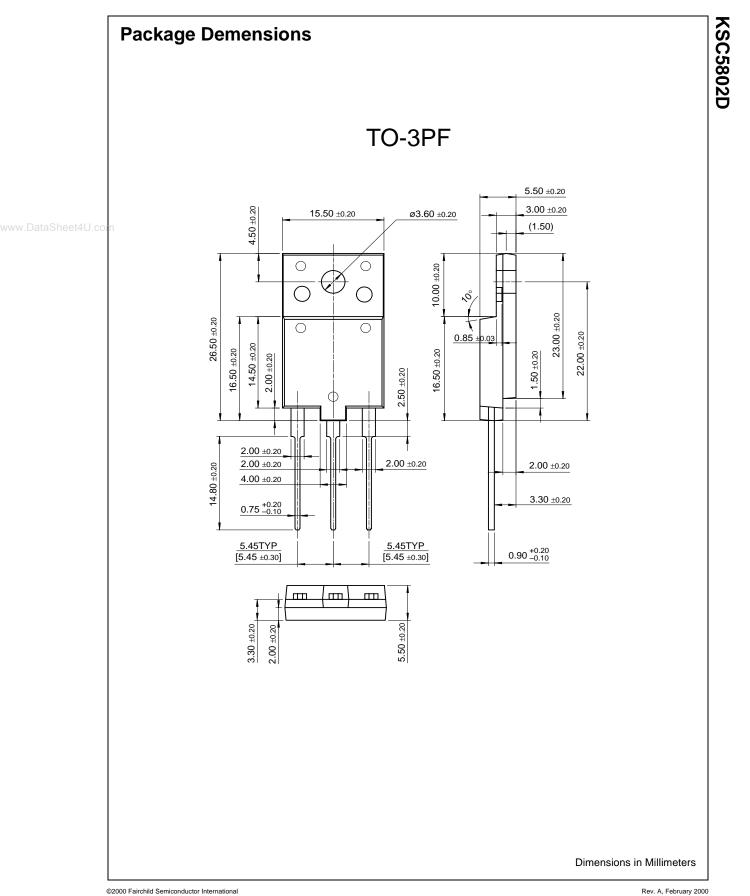
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CES}	Collector Cut-off Current	V _{CE} = 1400V, V _{BE} =0			1	mA
I _{CBO}	Collector Cut-off Current	$V_{CB} = 800 V, I_E = 0$			10	μΑ
I _{EBO}	Emitter Cut-off Current	$V_{EB} = 4V, I_{C} = 0$	50		250	mA
h _{FE1}	DC Current Gain	$V_{CE} = 5V, I_{C} = 1A$ $V_{CE} = 5V, I_{C} = 6A$	15 7		40 11.5	
h _{FE2} V _{CE} (sat)	Collector-Emitter Saturation Voltage	$I_{\rm C} = 6A, I_{\rm B} = 1.5A$,		3	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C = 6A, I _B = 1.5A			1.5	V
t _F	Fall Time	$V_{CC} = 200V, I_C = 6A$ $I_{B1} = 1.2A, I_{B2} = -2.4A$ $R_L = 33.3\Omega$		0.1	0.3	μs



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