

- Wide S.O.A
- For C-Monitor(85KHz)

1.Base 2.Collector 3.Emitter

TO-3PF

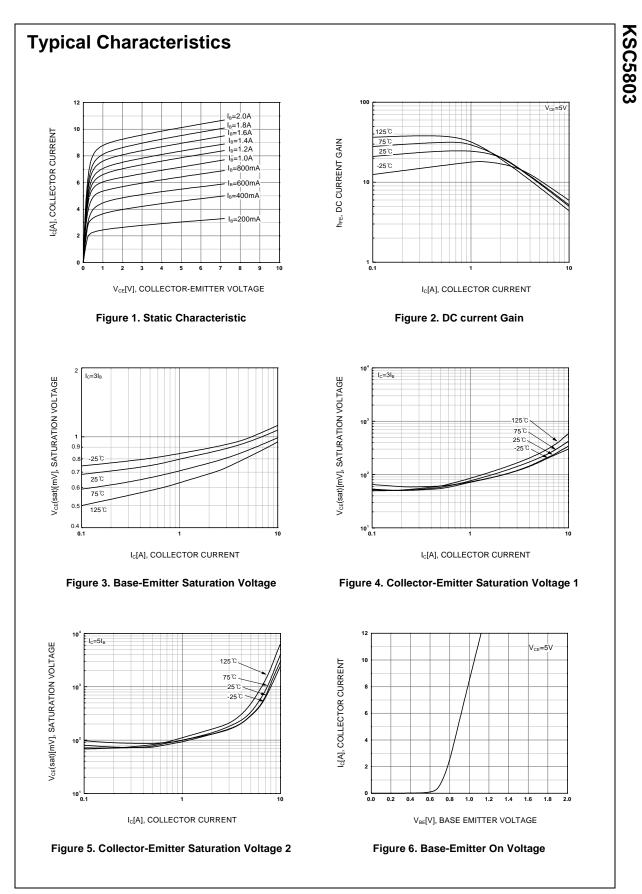
NPN Triple Diffused Planar Silicon Transistor

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)	12	А
I _{CP}	Collector Current (Pulse)	24	А
P _C	Collector Dissipation (T _C =25°C)	70	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

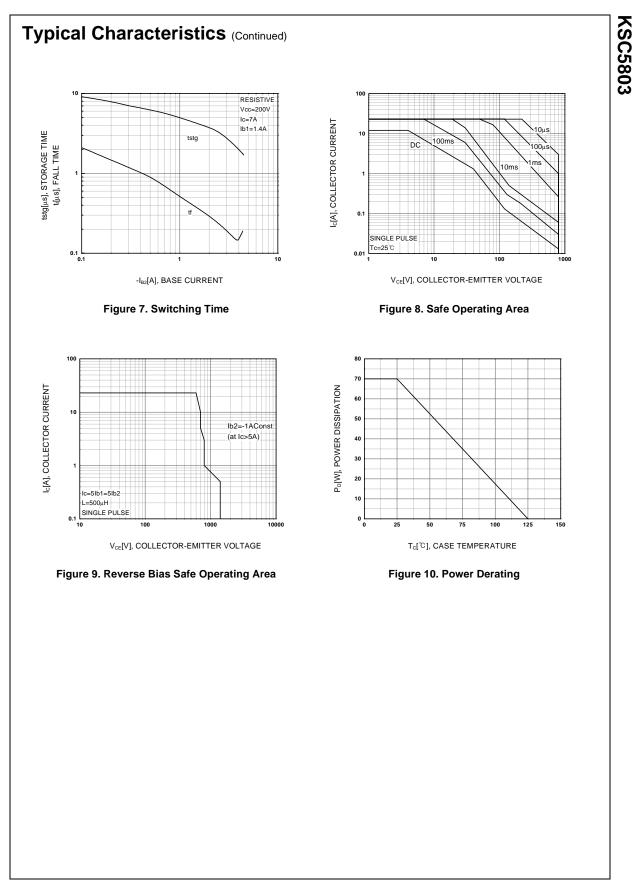
Electrical Characteristics T_C=25°C unless otherwise noted

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_{CE} = 800V, I_{E} = 0			10	μΑ
I _{EBO}	Emitter Cut-off Current	$V_{EB} = 4V, I_{C} = 0$			1	mA
h _{FE1} h _{FE2}	DC Current Gain	$V_{CE} = 5V, I_C = 1A$ $V_{CE} = 5V, I_C = 8A$	15 5.5		40 8.5	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	$I_{\rm C} = 8$ A, $I_{\rm B} = 2$ A			3	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	$I_{\rm C} = 8$ A, $I_{\rm B} = 2$ A			1.5	V
t _{STG}	Storage Time	V _{CC} = 200V, I _C = 7A			4	μs
t _F	Fall Time	$I_{B1} = 1.4A, I_{B2} = -2.8A$ $R_L = 28.6\Omega$			0.3	μs

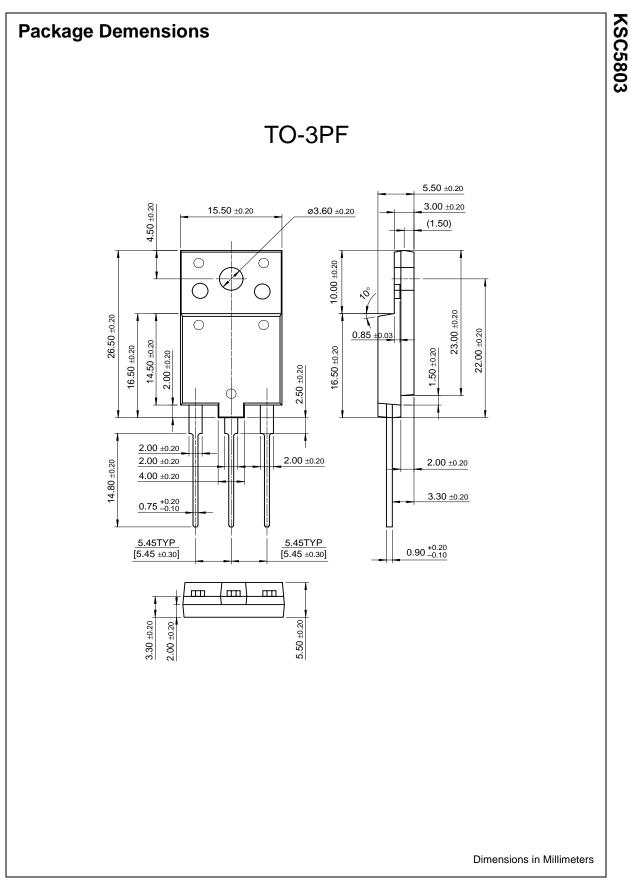


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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
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