

- Wide S.O.A
- For C-Monitor(69KHz)

1.Base 2.Collector 3.Emitter

TO-3PF

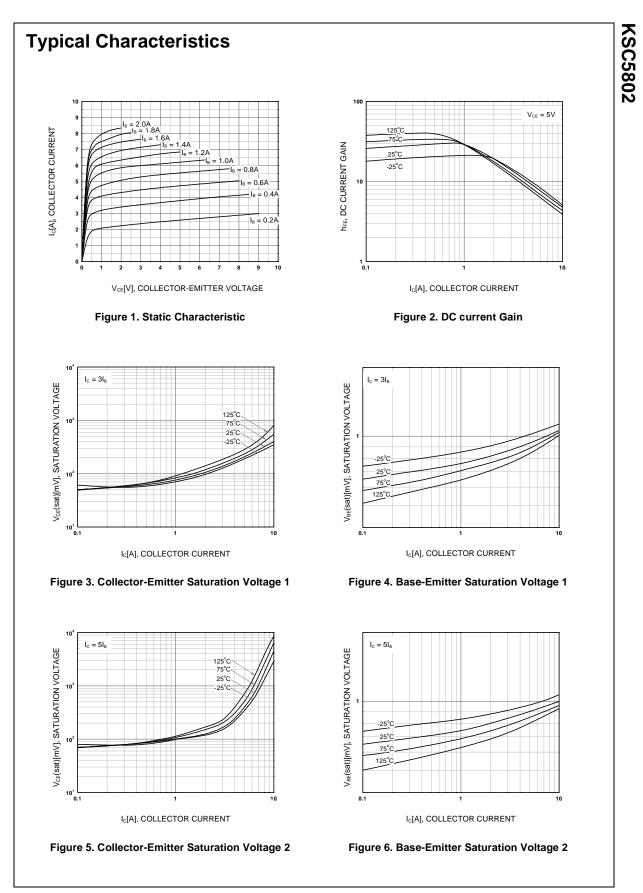
# NPN Triple Diffused Planar Silicon Transistor

# Absolute Maximum Ratings T<sub>C</sub>=25°C unless otherwise noted

Symbol	Parameter	Value	
V <sub>CBO</sub>	Collector-Base Voltage	1500	V
V <sub>CEO</sub>	Collector-Emitter Voltage	800	V
V <sub>EBO</sub>	Emitter-Base Voltage	6	V
I <sub>C</sub>	Collector Current (DC)	10	Α
I <sub>CP</sub>	Collector Current (Pulse)	30	Α
P <sub>C</sub>	Collector Dissipation (T <sub>C</sub> =25°C)	60	W
TJ	Junction Temperature	150	°C
T <sub>STG</sub>	Storage Temperature	- 55 ~ 150	°C

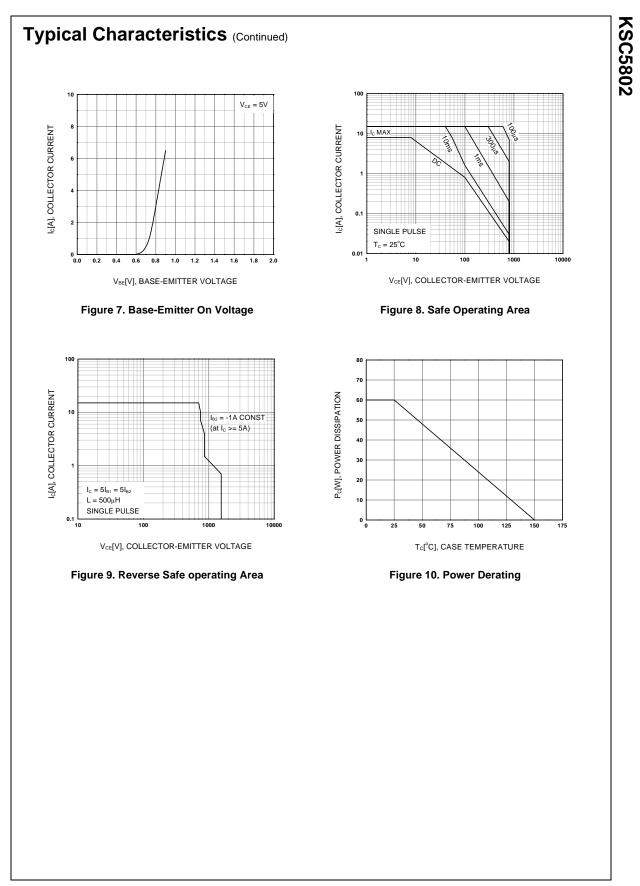
# Electrical Characteristics T<sub>C</sub>=25°C unless otherwise noted

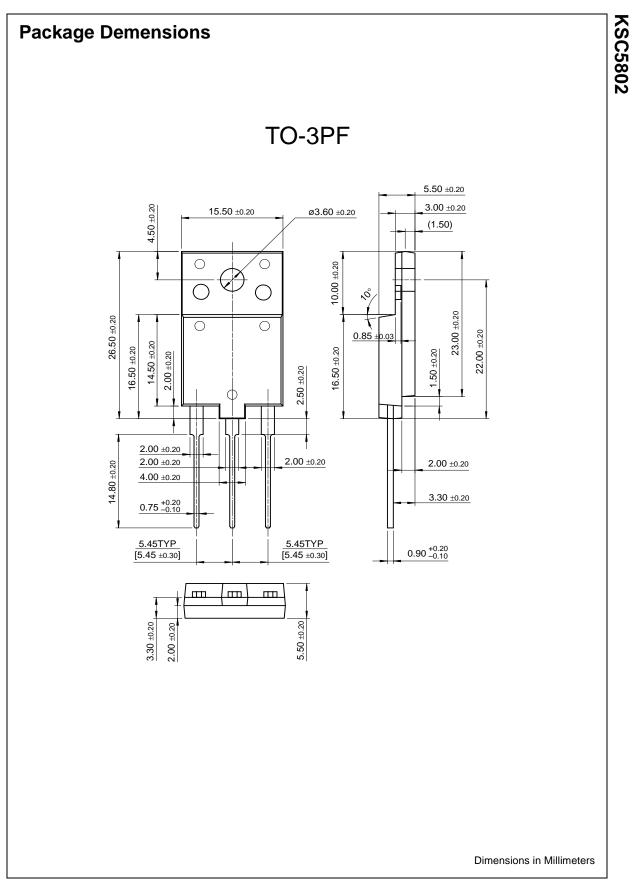
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I <sub>CES</sub>	Collector Cut-off Current	V <sub>BE</sub> =0, V <sub>CE</sub> = 1400V			1	mA
I <sub>CBO</sub>	Collector Cut-off Current	$V_{CB} = 800V, I_E = 0$			10	uA
I <sub>EBO</sub>	Emitter Cut-off Current	$V_{EB} = 4V, I_{C} = 0$			1	mA
h <sub>FE1</sub> h <sub>FE2</sub>	DC Current Gain	$V_{CE} = 5V, I_{C} = 1A$ $V_{CE} = 5V, I_{C} = 6A$	15 7		48 10	
V <sub>CE</sub> (sat)	Collector-Emitter Saturation Voltage	I <sub>C</sub> = 6A, I <sub>B</sub> = 1.5A			3	V
V <sub>BE</sub> (sat)	Base-Emitter Saturation Voltage	I <sub>C</sub> = 6A, I <sub>B</sub> = 1.5A			1.5	V
t <sub>F</sub>	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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