



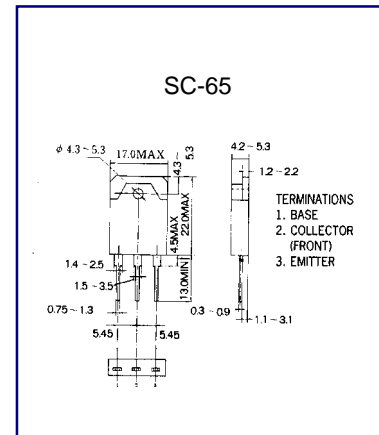
2SC1983

NPN SILICON DARLINGTON TRANSISTOR

SWITCHING REGULATORS PWM INVERTERS
SOLENOID AND RELAY DRIVERS

ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	80	V
Collector-Emitter Voltage	VCEO	60	V
Collector Current (DC)	IC	3	A
Collector Dissipation ($T_c=25^\circ\text{C}$)	PC	30	W
Junction Temperature	Tj	150	$^\circ\text{C}$
Storage Temperature	Tstg	-50~150	$^\circ\text{C}$



ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	ICBO	V _{CB} = 60V , I _E =0			10	μA
Collector Cutoff Current	ICEO	V _{CB} = 60V , I _B =0			10	μA
DC Current Gain	hFE	V _{CE} = 4V , I _C =1.0A	700			
Collector- Emitter Saturation Voltage	V _{CE(sat)}	I _C =0.5A , I _B =0.001A			2.5	V