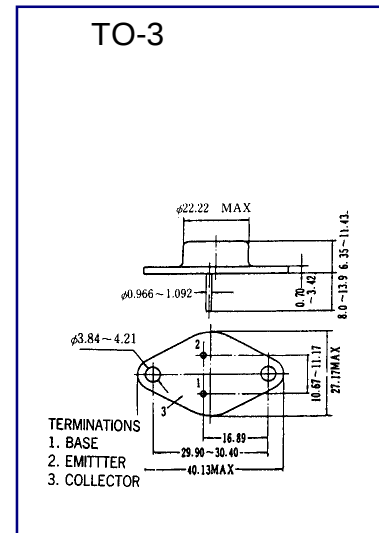




BUW13A

NPN SILICON 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	1000	V
Collector-Emitter Voltage	VCEO	450	V
Collector Current (DC)	IC	8	A
Collector Dissipation ($T_c=25^\circ\text{C}$)	PC	175	W
Junction Temperature	Tj	200	$^\circ\text{C}$
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	VCB= 1000V , IE=0			10	μA
Collector Cutoff Current	ICEO	VCB=450V , IB=0			10	μA
DC Current Gain	hFE	VCE=5V , IC=10A	5			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=6A , IB=0.6A			2.5	V