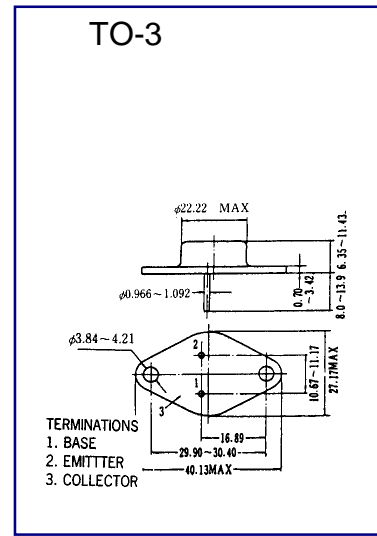




MJ10007

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	V_{CB0}	500	V
Collector-Emitter Voltage	V_{CE0}	400	V
Collector Current (DC)	I_C	10	A
Collector Dissipation ($T_c=25^\circ\text{C}$)	P_C	150	W
Junction Temperature	T_j	200	$^\circ\text{C}$
Storage Temperature	T_{stg}	-50~150	$^\circ\text{C}$

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

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	I_{CBO}	$V_{CB}=500V, I_E=0$			10	μA
Collector Cutoff Current	I_{CEO}	$V_{CB}=400V, I_B=0$			10	μA
DC Current Gain	h_{FE}	$V_{CE}=5V, I_C=5A$	30			
Collector- Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=4A, I_B=0.4A$			1.5	V