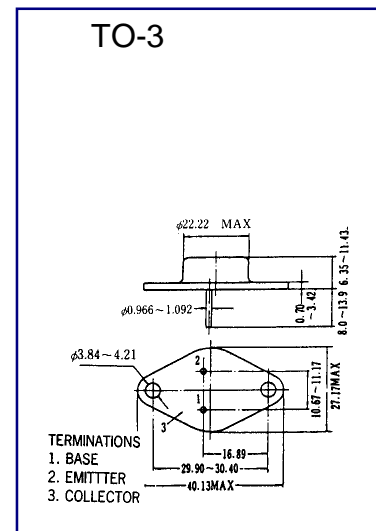




MJ10009

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	700	V
Collector-Emitter Voltage	VCEO	500	V
Collector Current (DC)	IC	20	A
Collector Dissipation ($T_c=25^\circ\text{C}$)	PC	175	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	ICBO	VCB= 700V , IE=0			10	μA
Collector Cutoff Current	ICEO	VCB= 500V , IB=0			10	μA
DC Current Gain	hFE	VCE= 5V , IC=10A	30			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=6A , IB=0.6A			1.5	V