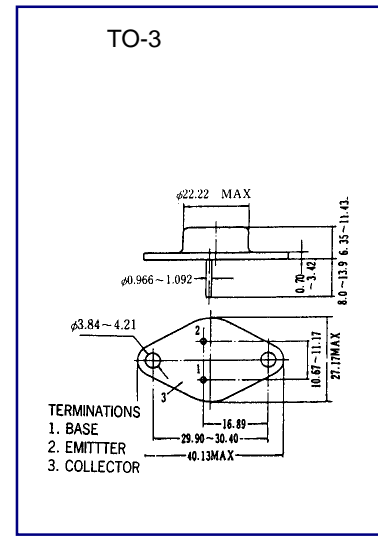




**MJ10004**

**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	450	V
Collector-Emitter Voltage	VCEO	350	V
Collector Current (DC)	IC	20	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= 450V , IE=0			10	$\mu\text{A}$
Collector Cutoff Current	ICEO	VCB= 350V , IB=0			10	$\mu\text{A}$
DC Current Gain	hFE	VCE= 5V , IC=10A	40			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=10A , IB=1A			2.0	V