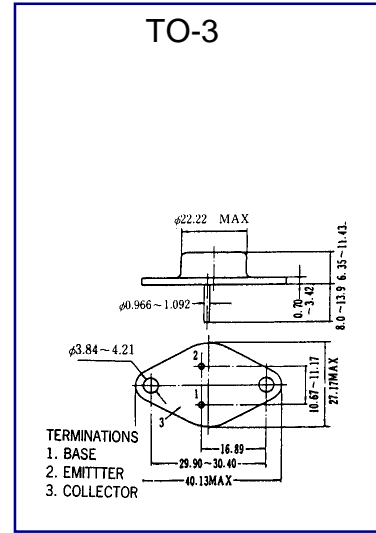




**MJ10012**

**NPN SILICON TRANSISTOR**

**SWITCHING REGULATORS PWM INVERTERS  
SOLENOID AND RELAY DRIVERS**



**ABSOLUTE MAXIMUM RATINGS (Ta=25°C)**

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	550	V
Collector-Emitter Voltage	VCEO	400	V
Collector Current (DC)	IC	10	A
Collector Dissipation (Tc=25°C)	PC	175	W
Junction Temperature	Tj	200	°C
Storage Temperature	Tstg	-50~150	°C

**ELECTRICAL CHARACTERISTICS (Ta=25°C)**

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Cutoff Current	ICBO	VCB= 550V , IE=0			10	$\mu$ A
Collector Cutoff Current	ICEO	VCB= 400V , IB=0			10	$\mu$ A
DC Current Gain	hFE	VCE= 5V , IC=3A	300			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=6A , IB=0.6A			1.5	V