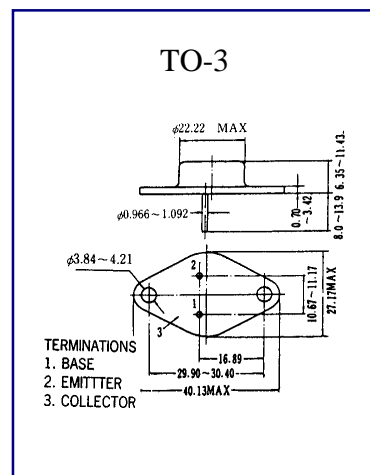




**MJ11012**

**NPN SILICON DARLINGTON TRANSISTOR**

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



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

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	60	V
Collector-Emitter Voltage	VCEO	60	V
Collector Current (DC)	IC	30	A
Collector Dissipation (Tc=25°C)	PC	200	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= 60V , IE=0			10	μA
Collector Cutoff Current	ICEO	VCB= 60V , IB=0			10	μA
DC Current Gain	hFE	VCE= 5V , IC=20A	1K			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=10A , IB=1A			1.5	V