



MJ15002

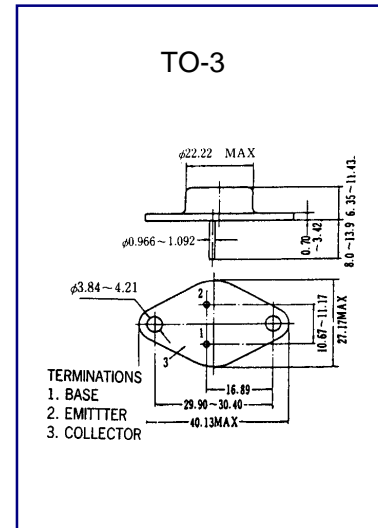
PNP PLANAR SILICON TRANSISTOR

AUDIO POWER AMPLIFIER DC TO DC CONVERTER

- High Current Capability
- High Power Dissipation
- Complementary to MJ15001

ABSOLUTE MAXIMUM RATING (T_A=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V _{CB0}	-140	V
Collector-Emitter Voltage	V _{CE0}	-140	V
Emitter-Base voltage	V _{EB0}	-5	V
Collector Current (DC)	I _C	-15	A
Collector Dissipation	P _C	200	W
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	-50~150	°C



ELECTRICAL CHARACTERISTICS (T_A=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	BV _{CB0}	I _C =-10 mA I _E =0	-140			V
Collector Emitter Breakdown Voltage	BV _{CE0}	I _C =-5 mA R _{BE} =•	-140			V
Emitter Base Breakdown Voltage	BV _{EB0}	I _E =-5 mA I _C =0	-5			V
Collector Cutoff Current	I _{CB0}	V _{CB} =-70V I _E =0			-0.1	mA
Emitter Cutoff Current	I _{EB0}	V _{EB} =-4V I _C =0			-0.1	mA
*DC Current Gain	h _{FE1}	V _{CE} =-5V I _C =-1A			150	
DC Current Gain	h _{FE2}	V _{CE} =-5V I _C =-4A	30			
Collector- Emitter Saturation Voltage	V _{CE(sat)}	I _C =-4A I _B =-0.4A	25		-1.0	V