



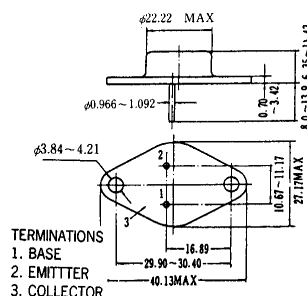
2N3772

NPN PLANAR SILICON TRANSISTOR

AUDIO POWER AMPLIFIER DC TO DC CONVERTER

- High Current Capability
- High Power Dissipation

TO-3



ABSOLUTE MAXIMUM RATING (Ta=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V _{CB0}	100	V
Collector-Emitter Voltage	V _{CEO}	60	V
Emitter-Base voltage	V _{EB0}	7	V
Collector Current (DC)	I _C	20	A
Collector Dissipation	P _C	150	W
Junction Temperature	T _j	200	°C
Storage Temperature	T _{stg}	-50~150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Characterristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	BV _{CB0}	I _C =10 mA I _E =0	50			V
Collector Emitter Breakdown Voltage	BV _{CEO}	I _C =5 mA R _{BE} =∞	50			V
Emitter Base Breakdown Voltage	BV _{EB0}	I _E =5 mA I _C =0	6			V
Collector Cutoff Current	I _{CB0}	V _{CB} =30V I _E =0			0.1	mA
Emitter Cutoff Current	I _{EB0}	V _{EB} =4V I _C =0			0.1	mA
DC Current Gain	h _{FE}	V _{CE} =5V I _C =10A	15		60	
Collector- Emitter Saturation Voltage	V _{CE(sat)}	I _C =10A I _B =1.0A			1.0	V