

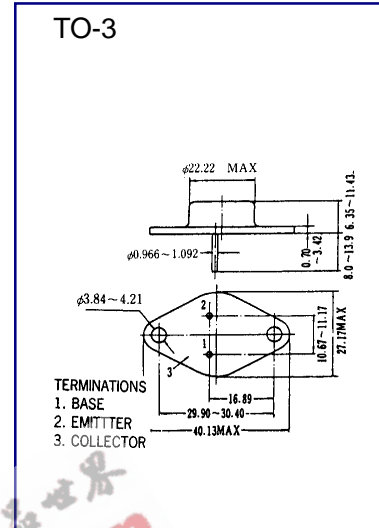


2N3771

NPN PLANAR SILICON TRANSISTOR

**AUDIO POWER AMPLIFIER
DC TO DC CONVERTER**

- High Current Capability
- High Power Dissipation



ABSOLUTE MAXIMUM RATING (Ta=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	50	V
Collector-Emitter Voltage	VCEO	40	V
Emitter-Base voltage	VEBO	6	V
Collector Current (DC)	IC	30	A
Collector Dissipation	PC	150	W
Junction Temperature	Tj	150	°C
Storage Temperature	Tstg	-50~150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	BVCBO	IC=10 mA IE=0	40			V
Collector Emitter Breakdown Voltage	BVCEO	IC=5 mA RBE=∞	40			V
Emitter Base Breakdown Voltage	BVEBO	IE=5 mA IC=0	6			V
Collector Cutoff Current	ICBO	VCB=30V IE=0			0.1	mA
Emitter Cutoff Current	IEBO	VEB=4V IC=0			0.1	mA
DC Current Gain	hFE1	VCE=5V IC=10A	15		60	
Collector- Emitter Saturation Voltage	VCE(sat)	IC=15A IB=1.5A			2.0	V