



MJ15024

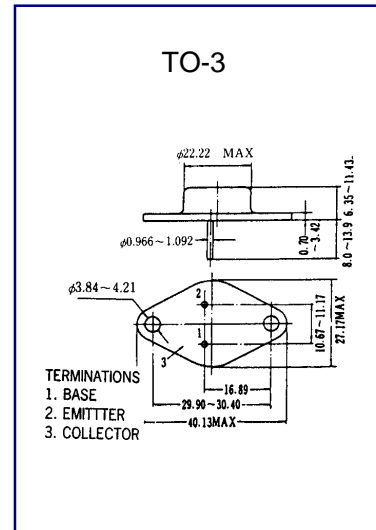
NPN PLANAR SILICON TRANSISTOR

**AUDIO POWER AMPLIFIER
DC TO DC CONVERTER**

- High Current Capability
- High Power Dissipation
- Complementary to MJ15025

ABSOLUTE MAXIMUM RATING (Ta=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	400	V
Collector-Emitter Voltage	VCEO	250	V
Emitter-Base voltage	VEBO	7	V
Collector Current (DC)	IC	16	A
Collector Dissipation	PC	250	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	400			V
Collector Emitter Breakdown Voltage	BVCEO	IC=5 mA RBE=	250			V
Emitter Base Breakdown Voltage	BVEBO	IE=5 mA IC=0	7			V
Collector Cutoff Current	ICBO	VCE=200V IE=0			0.1	mA
Emitter Cutoff Current	IEBO	VEB=5V IC=0			0.1	mA
*DC Current Gain	hFE1	VCE=5V IC=1A	50		150	
DC Current Gain	hFE2	VCE=5V IC=8A	15		60	
Collector- Emitter Saturation Voltage	VCE(sat)	IC=10A IB=1A			2.0	V