



**MJ15023**

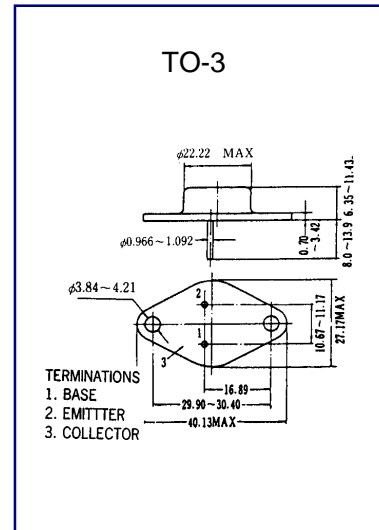
**PNP PLANAR SILICON TRANSISTOR**

**AUDIO POWER AMPLIFIER  
DC TO DC CONVERTER**

- High Current Capability
- High Power Dissipation
- Complementary to MJ15022

**ABSOLUTE MAXIMUM RATING (Ta=25°C)**

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	-350	V
Collector-Emitter Voltage	VCEO	-200	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	-350			V
Collector Emitter Breakdown Voltage	BVCEO	IC=-5 mA RBE=	-200			V
Emitter Base Breakdown Voltage	BVEBO	IE=-5 mA IC=0	-7			V
Collector Cutoff Current	ICBO	VCB=-175V IE=0			-0.1	mA
Emitter Cutoff Current	IEBO	VEB=-5V IC=0			-0.1	mA
*DC Current Gain	hFE1	VCE=-5V IC=-8A	15		60	
DC Current Gain	hFE2	VCE=-5V IC=-10A	10			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=-10A IB=-1A			-2.0	V