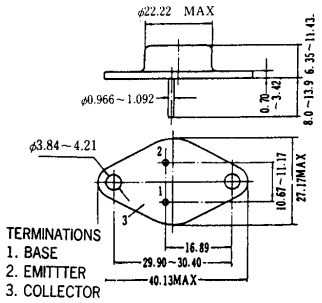
MJ15001 NPN PLANAR SILICON TRANSISTOR

AUDIO POWER AMPLIFIER
DC TO DC CONVERTER

- High Current Capability
- High Power Dissipation
- Complementary to MJ15002

TO-3



ABSOLUTE MAXIMUM RATING (Ta=25℃)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	140	V
Collector-Emitter Voltage	VCEO	140	V
Emitter-Base voltage	VEBO	5	V
Collector Current (DC)	IC	15	A
Collector Dissipation	PC	200	W
Junction Temperature	Tj	150	℃
Storage Temperature	Tstg	-50~150	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃)

Characterristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	BVCBO	IC=10 mA IE=0	140			V
Collector Emitter Breakdown Voltage	BVCEO	IC=5 mA RBE=∞	140			V
Emitter Base Breakdown Voltage	BVEBO	IE=5 mA IC=0	5			V
Collector Cutoff Current	ICBO	VCB=70V IE=0			0.1	mA
Emitter Cutoff Current	IEBO	VEB=4V IC=0			0.1	mA
*DC Current Gain	hFE1	VCE=5V IC=1A			150	
DC Current Gain	hFE2	VCE=5V IC=4A	30			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=4A IB=0.4A	25		1.0	V

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