



MJ 4502

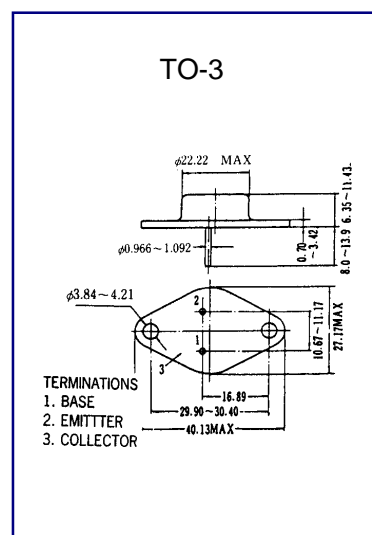
PNP PLANAR SILICON TRANSISTOR

**AUDIO POWER AMPLIFIER
DC TO DC CONVERTER**

- High Current Capability
- High Power Dissipation
- Complementary to MJ802

ABSOLUTE MAXIMUM RATING (Ta=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	-100	V
Collector-Emitter Voltage	VCEO	-90	V
Emitter-Base voltage	VEBO	-4	V
Collector Current (DC)	IC	-30	A
Collector Dissipation	PC	200	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	-100			V
Collector Emitter Breakdown Voltage	BVCEO	IC=-5 mA RBE=	-90			V
Emitter Base Breakdown Voltage	BVEBO	IE=-5 mA IC=0	-4			V
Collector Cutoff Current	ICBO	VCB=-50V IE=0			-0.1	mA
Emitter Cutoff Current	IEBO	VEB=-4V IC=0			-0.1	mA
*DC Current Gain	hFE1	VCE=-5V IC=-7.5A	25		100	
DC Current Gain	hFE2	VCE=-5V IC=-15A	20			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=-7.5A IB=-0.75A			-0.8	V

Wing Shing Computer Components Co., (H.K.)Ltd.
Homepage: <http://www.wingshing.com>

Tel:(852)2341 9276 Fax:(852)2797 8153
E-mail: wsccltd@hkstar.com

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