



**2SA1301**

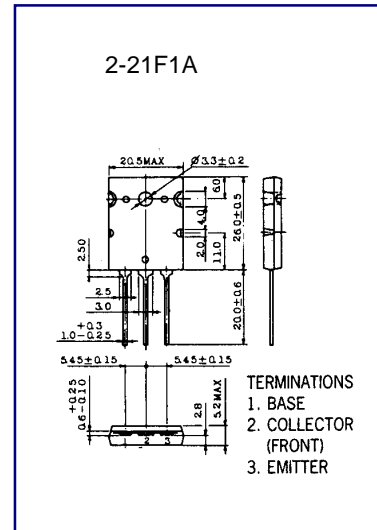
**PNP PLANAR SILICON TRANSISTOR**

**AUDIO POWER AMPLIFIER  
DC TO DC CONVERTER**

- High Current Capability
- High Power Dissipation
- Complementary to 2SC3280

**ABSOLUTE MAXIMUM RATING (Ta=25°C)**

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	VCBO	-160	V
Collector-Emitter Voltage	VCEO	-160	V
Emitter-Base voltage	VEBO	-6	V
Collector Current (DC)	IC	-12	A
Collector Dissipation	PC	120	W
Junction Temperature	Tj	150	°C
Storage Temperature	Tstg	-55~150	°C



**ELECTRICAL CHARACTERISTICS (Ta=25°C)**

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Collector Base Breakdown Voltage	BVCBO	IC=-10mA IE=0	-160			V
Collector Emitter Breakdown Voltage	BVCEO	IC=-5 mA RBE=∞	-160			V
Emitter Base Breakdown Voltage	BVEBO	IE=-4mA IC=0	-6			V
Collector Cutoff Current	ICBO	VCB=-80V IE=0			-0.1	mA
Emitter Cutoff Current	IEBO	VEB=-4V IC=0			-0.1	mA
*DC Current Gain	hFE1	VCE=-5V IC=-1A	55		160	
DC Current Gain	hFE2	VCE=-5V IC=-5A	50			
Collector- Emitter Saturation Voltage	VCE(sat)	IC=-8A IB=-0.8A			-2.5	V