



**2SC3280**

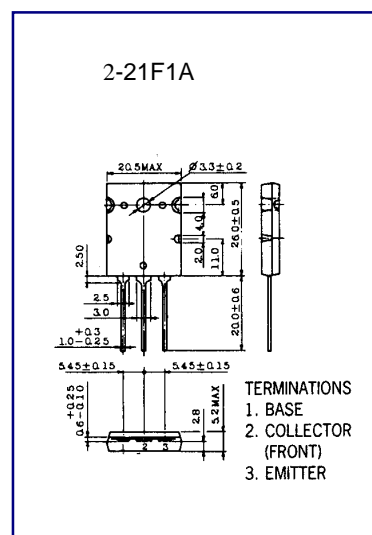
**NPN PLANAR SILICON TRANSISTOR**

**AUDIO POWER AMPLIFIER  
DC TO DC CONVERTER**

- High Current Capability
- High Power Dissipation
- Complementary to 2SA1301

**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