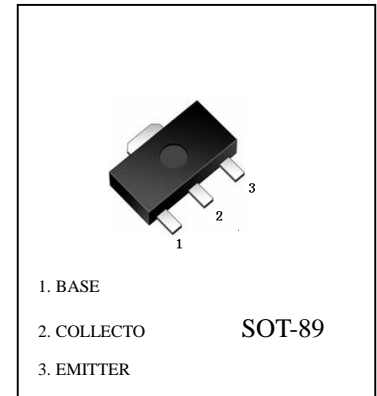


**FEATURES**

- Suitable for output stage of 3 watts Amplifier
- Suitable flat package
- High DC current gain
- PC=1.0 to 2.0W(mounted on ceramic substrate)
- Complementary to 2SC2884

**2SA1204 (PNP)**

**Maximum Ratings (Ta=25 °C unless otherwise noted)**

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V <sub>CB0</sub>	-35	V
Collector-Emitter Voltage	V <sub>CEO</sub>	-35	V
Emitter-Base Voltage	V <sub>EBO</sub>	-5	V
Collector Current -Continuous	I <sub>C</sub>	-800	mA
Collector Power dissipation	PC	500 1000 (note)	mW
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature	T <sub>stg</sub>	-55to +150	°C

**ELECTRICAL CHARACTERISTICS ( @ Ta=25 °C unless otherwise specified)**

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-emitter breakdown voltage	V <sub>CEO</sub>	I <sub>C</sub> =-10mA, I <sub>B</sub> =0	-30			V
Collector cut-off current	I <sub>CB0</sub>	V <sub>CB</sub> =-35V, I <sub>E</sub> =0			-0.1	μA
Emitter cut-off current	I <sub>EBO</sub>	V <sub>EB</sub> =-5V, I <sub>C</sub> =0			-0.1	μA
DC current gain	h <sub>FE</sub>	V <sub>CE</sub> =-1V, I <sub>C</sub> =-100mA	100		320	
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =-500mA, I <sub>B</sub> =-20mA			-0.7	V
Base-emitter	V <sub>BE</sub>	V <sub>CE</sub> =-1V, I <sub>C</sub> =-10mA	-0.5		-0.8	V
Transition frequency	f <sub>T</sub>	V <sub>CE</sub> =-5V, I <sub>C</sub> =-10mA		120		MHz
Collector output capacitance	C <sub>ob</sub>	V <sub>CB</sub> =-10V, I <sub>E</sub> =0, f=1MHz		19		pF

**CLASSIFICATION OF h<sub>FE</sub>**

Rank	O	Y
Range	100-200	160-320
Marking	RO	RY

**2SA1204** Typical Characteristics

