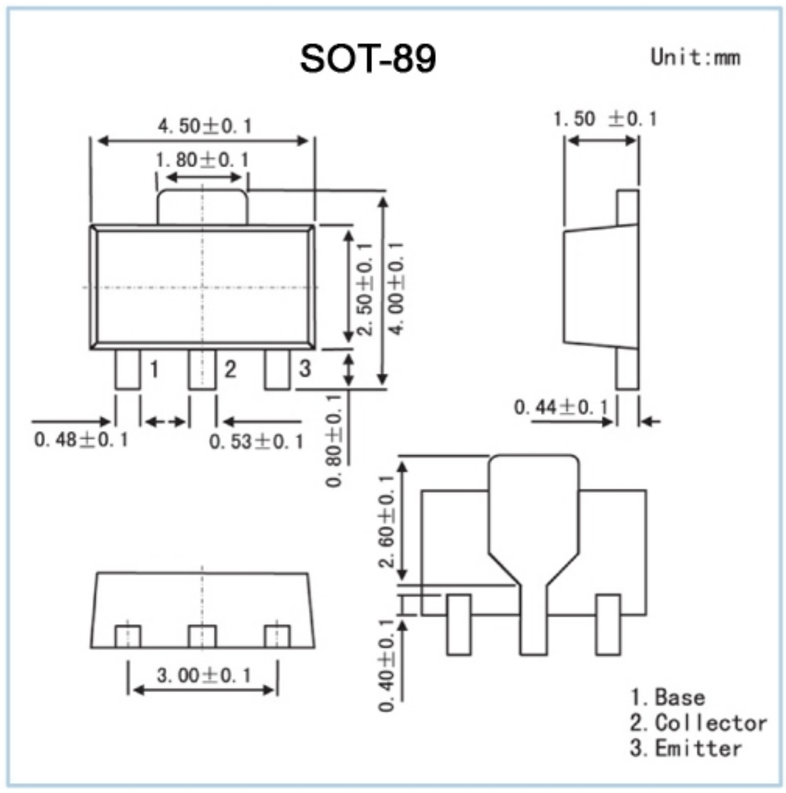
2SA1203



■ Features

- Suitable For Output Stage of 3 Watts Amplifier
- Small Flat Package
- P_C = 1 to 2W (mounted on ceramic substrate)
- Complementary to 2SC2883

■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	-30	V
Collector-Emitter Voltage	V_{CEO}	-30	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-1.5	A
Base Current	I_B	-0.3	A
Collector Power Dissipation	P_C	500	mW
	P_C *	1000	
Jumction temperature	T_j	150	℃
Storage temperature Range	T_{stg}	-55 to +150	℃

* Mounted on ceramic substrate (250 mm^2 x 0.8 t)

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector Cut-off Current	I_{CBO}	V_{CB} = -30V , I_E = 0			-0.1	μA
Emitter Cut-off Current	I_{EBO}	V_{EB} = -5V , I_C = 0			-0.1	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	I_C = -10mA , I_B = 0	-30			V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	I_E = -1mA , I_C = 0	-5			V
DC Current Gain	h_{FE}	V_{CE} = -2V , I_C = -500mA	100		320	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	I_C = -1.5A , I_B = -0.03A			-2.0	V
Base-Emitter Voltage	V_{BE}	V_{CE} = -2V , I_C = -500mA			-1.0	V
Transition Frequency	f_T	V_{CE} = -2V , I_C = -500mA		120		MHz
Collector Output Capacitance	C_{ob}	V_{CB} = -10V , I_E = 0 , f = 1MHz			50	pF

■ hFE Classification

Marking	H	
Rank	O	Y
hFE	100 ～ 200	160 ～ 320

■ Electrical Characteristics Curves