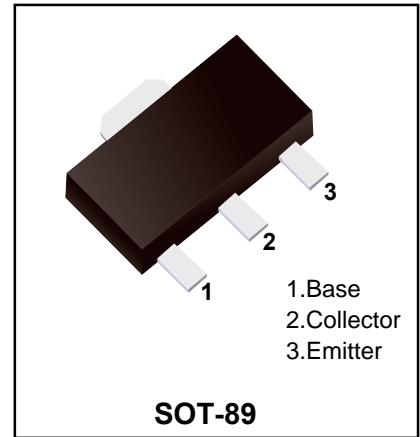


**PNP Transistors**

**Features**

- Low saturation voltage
- Excellent DC current gain characteristics
- Complements to 2SC4672



**Absolute Maximum Rating (Ta=25°C)**

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	V <sub>CB0</sub>	-50	V
Collector - Emitter Voltage	V <sub>CE0</sub>	-50	
Emitter - Base Voltage	V <sub>EB0</sub>	-6	
Collector Current - Continuous	I <sub>C</sub>	-2	A
Collector Current - Pulse	I <sub>CM</sub>	-3	
Collector Power Dissipation	P <sub>C</sub>	500	mW
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature range	T <sub>stg</sub>	-55 to 150	

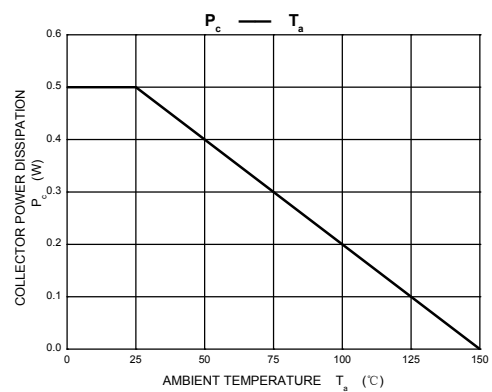
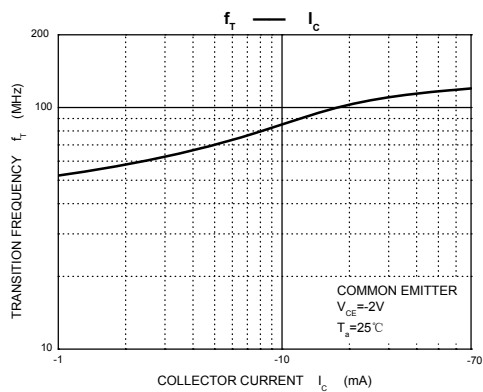
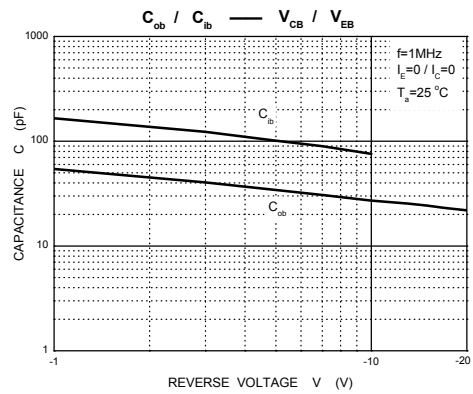
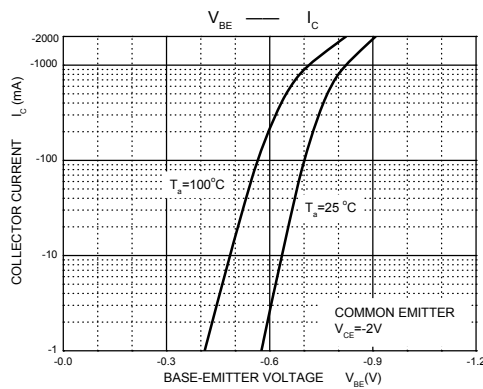
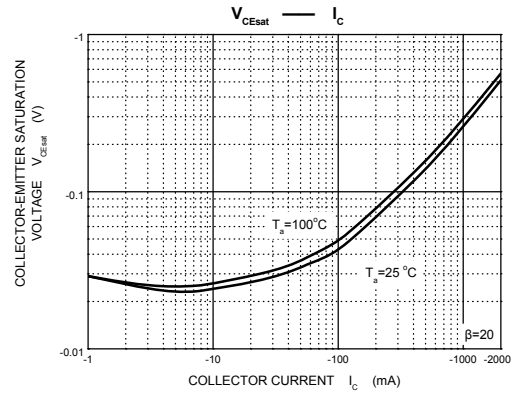
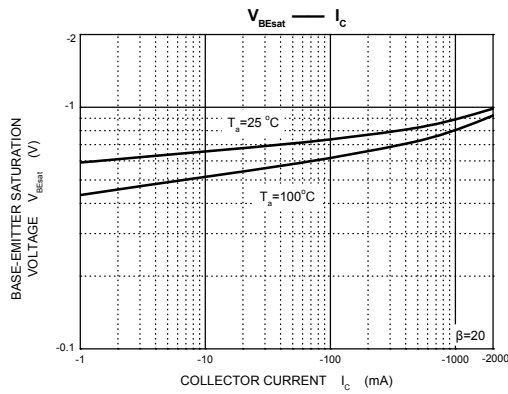
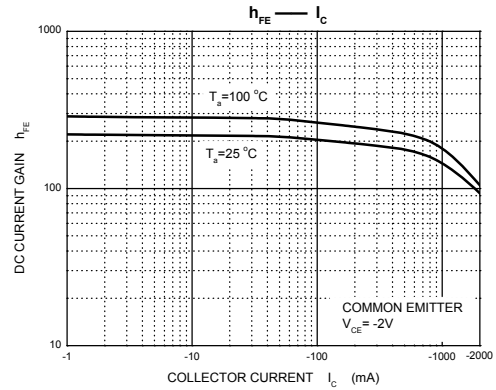
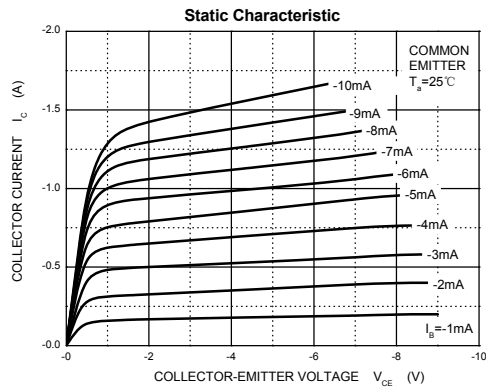
**Electrical Characteristics (Ta=25°C)**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V <sub>CB0</sub>	I <sub>C</sub> = -50 μA, I <sub>E</sub> =0	-50			V
Collector- emitter breakdown voltage	V <sub>CE0</sub>	I <sub>C</sub> = -1 mA, I <sub>B</sub> =0	-50			
Emitter - base breakdown voltage	V <sub>EB0</sub>	I <sub>E</sub> = -50 μA, I <sub>C</sub> =0	-6			
Collector-base cut-off current	I <sub>CB0</sub>	V <sub>CB</sub> = -50 V, I <sub>E</sub> =0			-100	nA
Emitter cut-off current	I <sub>EB0</sub>	V <sub>EB</sub> = -5V, I <sub>C</sub> =0			-100	
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =-1A, I <sub>B</sub> =-50mA			-0.35	V
Base - emitter saturation voltage	V <sub>BE(sat)</sub>	I <sub>C</sub> =-1A, I <sub>B</sub> =-50mA			-1.2	
DC current gain	h <sub>FE</sub>	V <sub>CE</sub> = -2V, I <sub>C</sub> = -500mA	82		270	
Collector output capacitance	C <sub>ob</sub>	V <sub>CB</sub> = -10V, I <sub>E</sub> = 0,f=1MHz		36		pF
Transition frequency	f <sub>T</sub>	V <sub>CE</sub> = -2V, I <sub>C</sub> = -500mA,f=100MHz		200		MHz

**h<sub>FE</sub> Classification**

Type	2SA1797-P	2SA1797-Q
Range	82-180	120-270
Marking	AGP	AGQ

**Typical Characteristics**



**Ordering information**

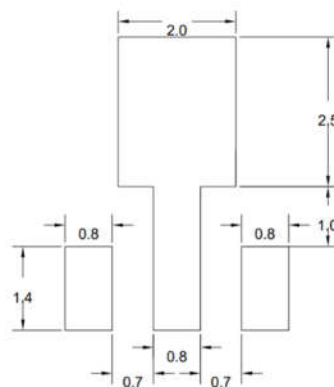
Package	Packing Description	Base Quantity	Packing Quantity
SOT-89	Tape/Reel,7"reel	1000pcs/Reel	6000PCS/Box 30000PCS/Carton

**Package Dimensions**

**SOT-89**

Dim	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	1.40	1.60	0.055	0.063
b	0.32	0.52	0.013	0.020
b1	0.38	0.58	0.015	0.023
c	0.35	0.45	0.014	0.018
D	4.40	4.60	0.173	0.181
D1	1.45	1.65	0.057	0.065
D2	1.70	1.80	0.067	0.071
E	2.30	2.60	0.091	0.102
E1	3.95	4.25	0.156	0.167
E2	1.80	2.00	0.071	0.079
e	1.40	1.60	0.055	0.063
e1	2.80	3.20	0.110	0.126
L	0.90	1.20	0.035	0.047

**The recommended mounting pad size**



UNIT:MM

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