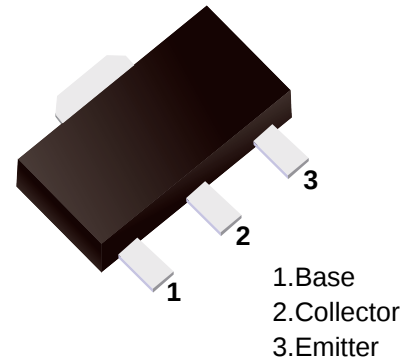


■ PNP Transistors



■ Features

- PNP transistor High current output up to 3A
- Low Saturation Voltage
- Complement to 2SD882



■ Simplified outline(SOT-89)

■ Absolute Maximum Ratings $T_a = 25^{\circ}\text{C}$

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-6	V
Collector Current to Continuous	I_C	-3	A
Collector Dissipation	P_c	0.5	W
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	-55 to 150	$^{\circ}\text{C}$

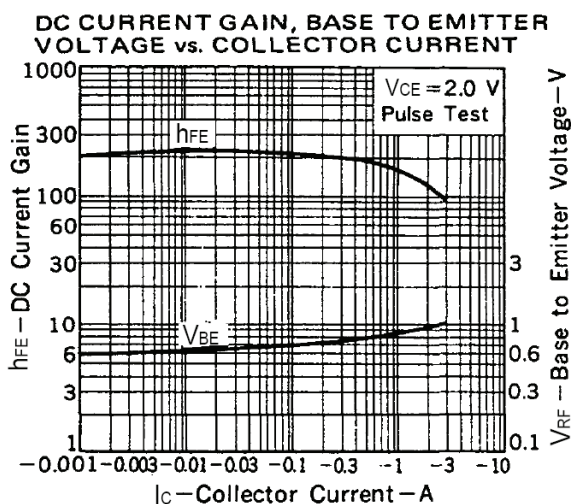
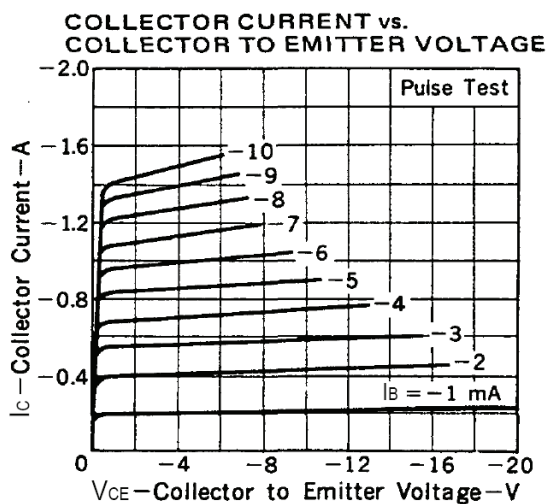
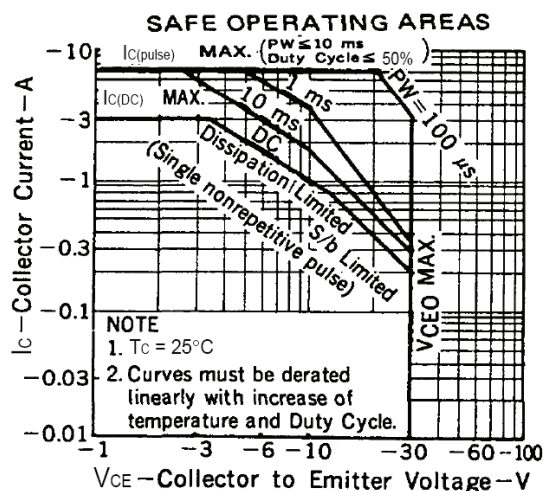
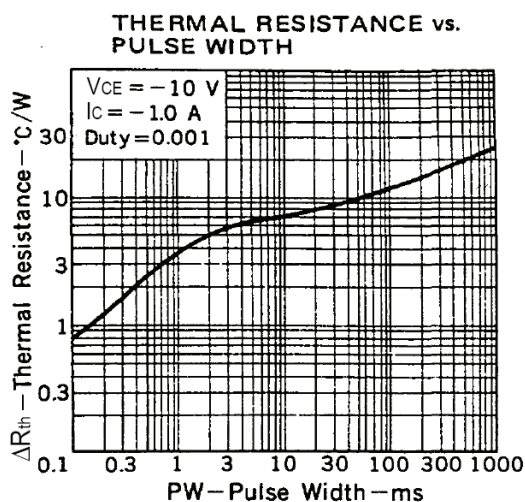
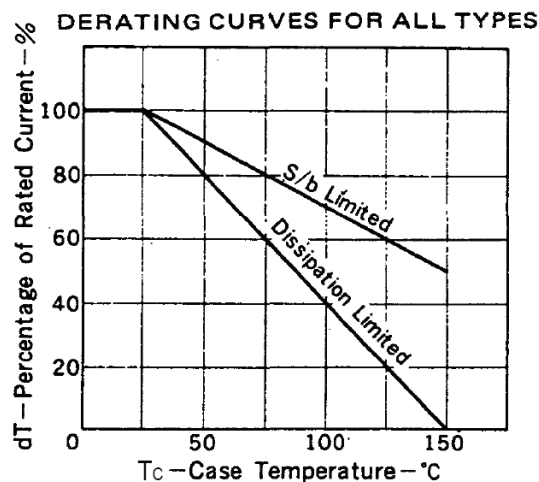
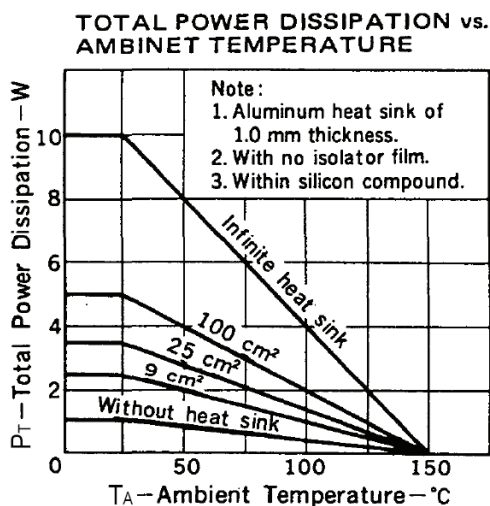
■ Electrical Characteristics $T_a = 25^{\circ}\text{C}$

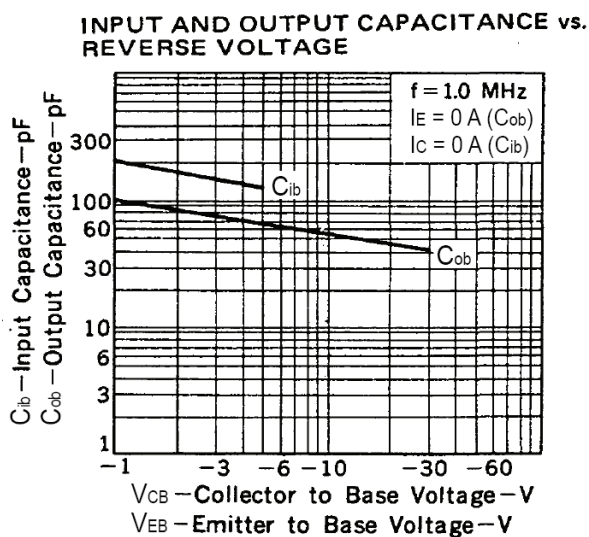
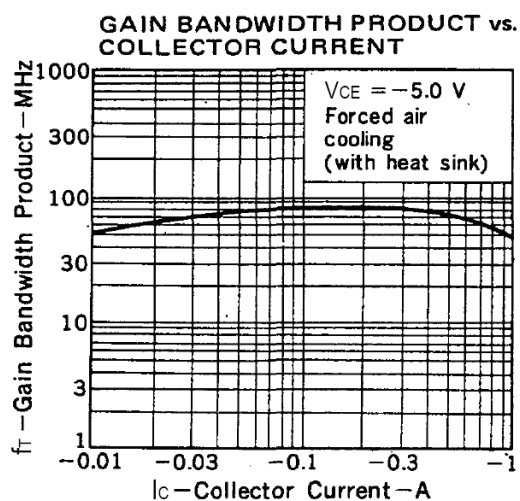
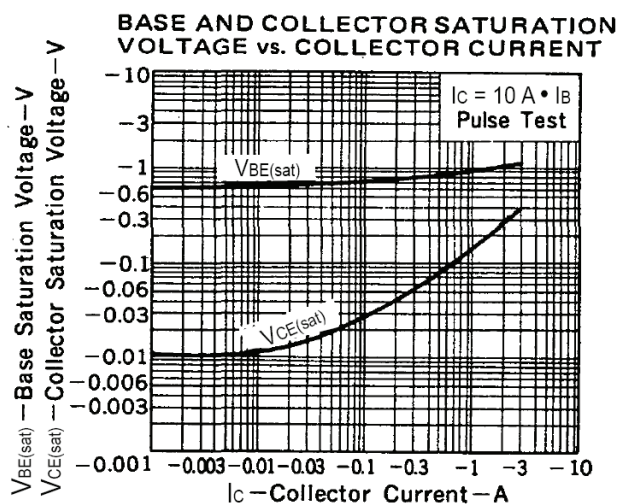
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V_{CBO}	$I_C = -100\mu\text{A}, I_E = 0$	-40			V
Collector-emitter breakdown voltage	V_{CEO}	$I_C = -10\text{ mA}, I_B = 0$	-30			V
Emitter-base breakdown voltage	V_{EBO}	$I_E = -100\mu\text{A}, I_C = 0$	-6			V
Collector cut-off current	I_{CBO}	$V_{CB} = -40\text{ V}, I_E = 0$			-1	μA
Emitter cut-off current	I_{EBO}	$V_{EB} = -6\text{ V}, I_C = 0$			-1	μA
DC current gain	h_{FE}	$V_{CE} = -2\text{ V}, I_C = -1\text{ A}$	60		400	
		$V_{CE} = -2\text{ V}, I_C = -100\text{ mA}$	32			
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -2\text{ A}, I_B = -0.2\text{ A}$			-0.5	V
Base-emitter saturation voltage	$V_{BE(sat)}$	$I_C = -2\text{ A}, I_B = -0.2\text{ A}$			-1.5	V
Transition frequency	f_T	$V_{CE} = -5\text{ V}, I_C = -0.1\text{ mA}, f = 10\text{ MHz}$	50			MHz

■ Classification of $h_{FE}(1)$

Type	2SB772-R	2SB772-Q	2SB772-P	2SB772-E
Range	60-120	100-200	160-320	200-400
Marking	772R	772Q	772P	772E

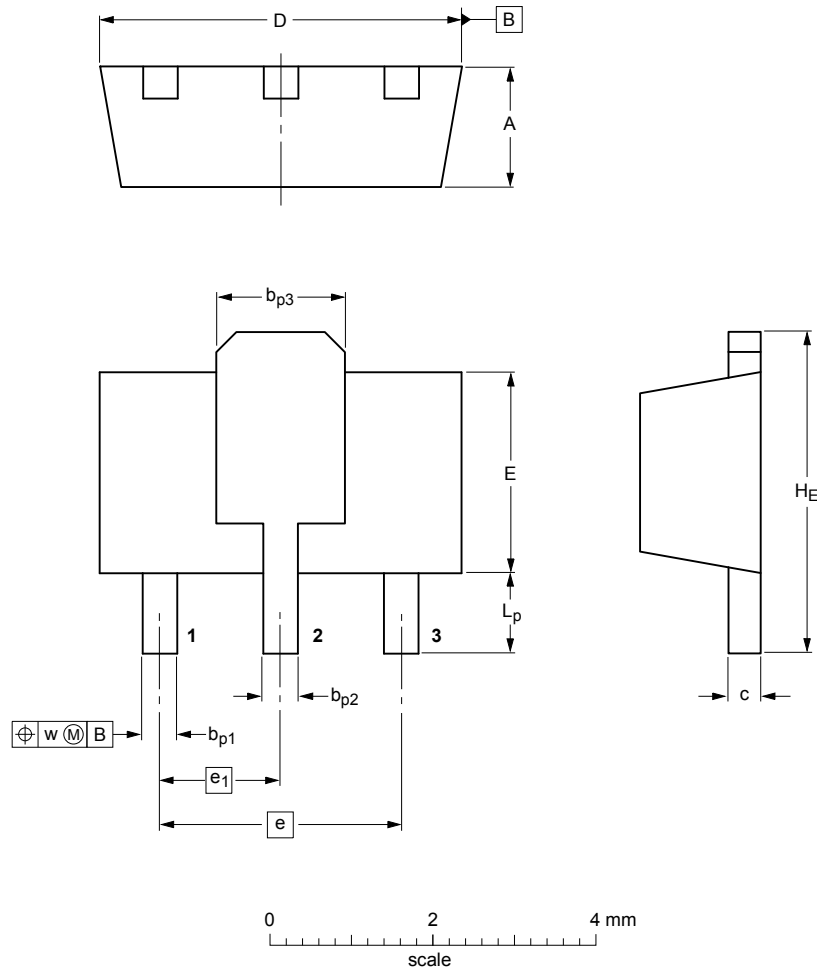
■ Typical Characteristics





Package Outline

SOT-89



DIMENSIONS (mm are the original dimensions)

UNIT	A	b _{p1}	b _{p2}	b _{p3}	c	D	E	e	e ₁	H _E	L _p	w
mm	1.6 1.4	0.48 0.35	0.53 0.40	1.8 1.4	0.44 0.23	4.6 4.4	2.6 2.4	3.0	1.5	4.25 3.75	1.2 0.8	0.13

Summary of Packing Options

Package	Package Description	Packing Quantity	Industry Standard
SOT-89	Tape/Reel, 7" reel	1000	EIA-481-1