



SOT-89 Plastic-Encapsulate Transistor

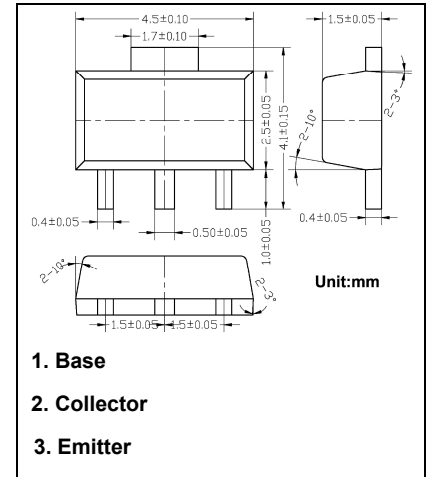
2SB772

Transistor (PNP)

Features

- Low speed switching

Marking: B772



Maximum Ratings ($T_a=25\text{ }^\circ\text{C}$ unless otherwise specified)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-40	V
V_{CEO}	Collector-Emitter Voltage	-30	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current	-3	A
P_C	Collector Power Dissipation	0.5	W
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	250	$^\circ\text{C/W}$
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{STG}	Storage Temperature	-55~150	$^\circ\text{C}$

Electrical Characteristics ($T_a=25\text{ }^\circ\text{C}$ unless otherwise specified)

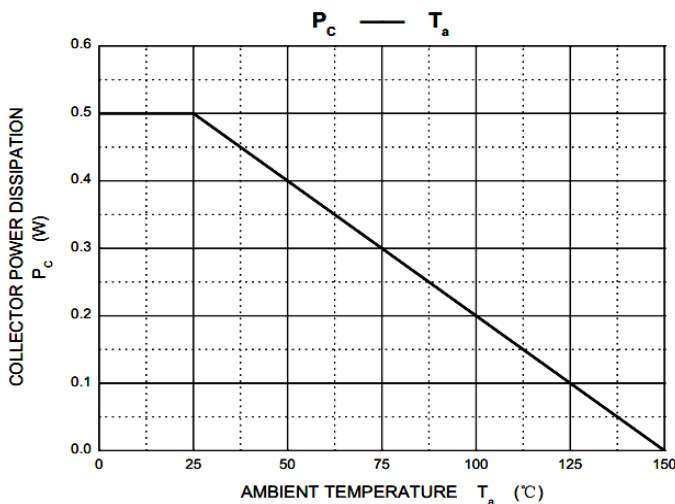
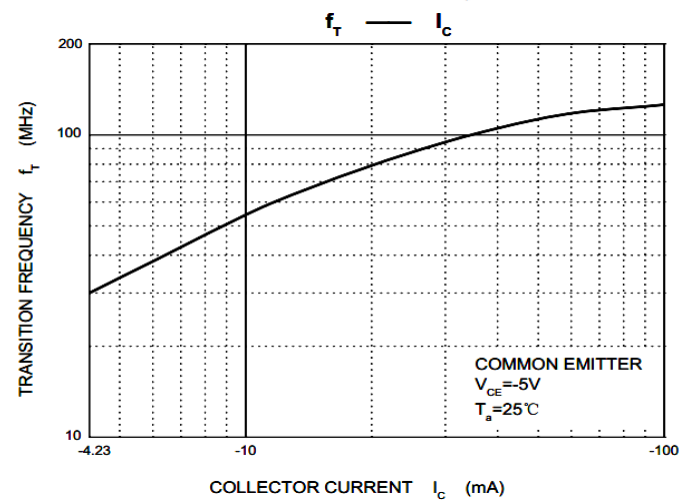
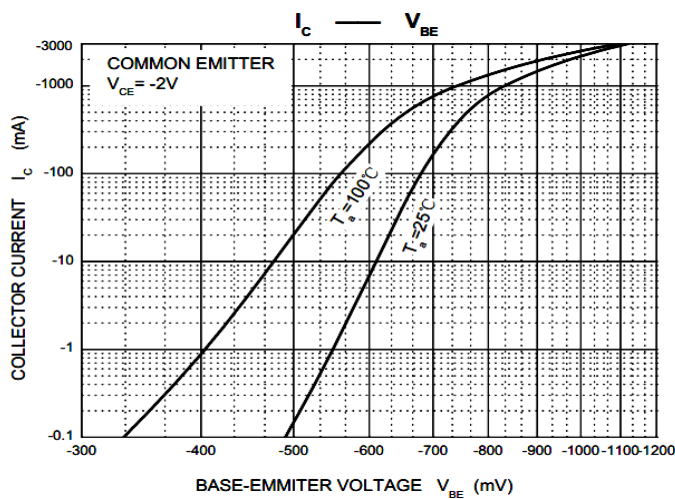
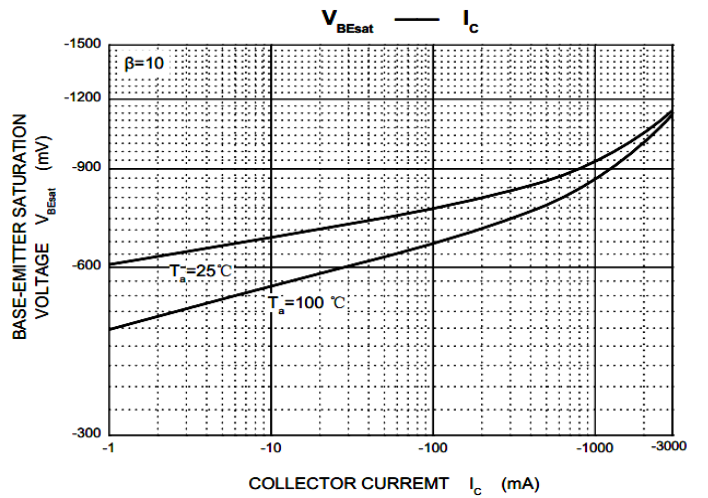
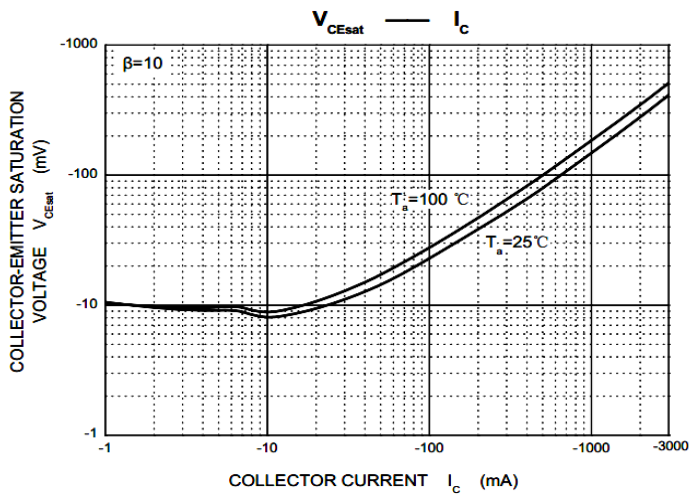
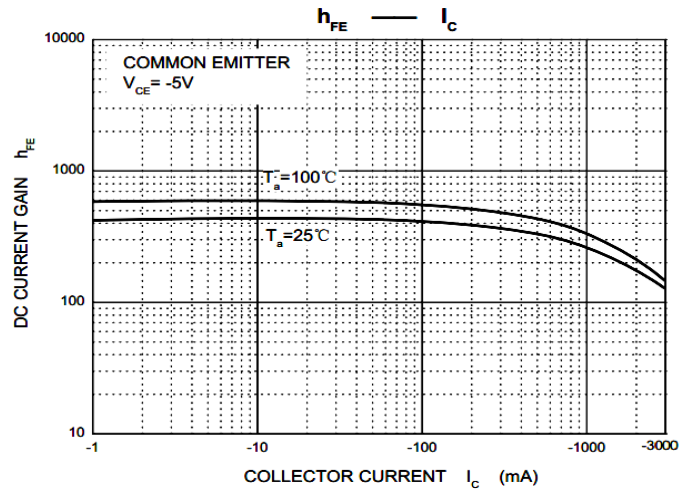
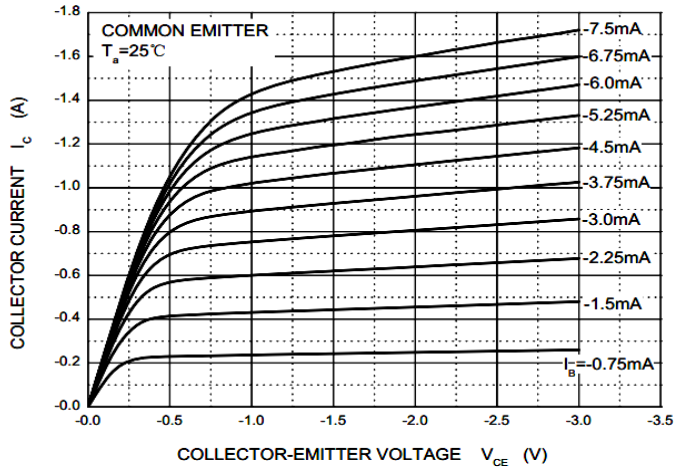
Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
$V_{(BR)CEO}$	Collector-emitter breakdown voltage	$I_C = -10\text{mA}$, $I_B = 0$	-30			V
$V_{(BR)CBO}$	Collector-base breakdown voltage	$I_C = -100\mu\text{A}$, $I_E = 0$	-40			
$V_{(BR)EBO}$	Emitter-base breakdown voltage	$I_E = -100\mu\text{A}$, $I_C = 0$	-6			
I_{CBO}	Collector cutoff current	$V_{CB} = -40\text{V}$, $I_E = 0$			-1	μA
I_{CEO}	Collector cut-off current	$V_{CE} = -30\text{V}$, $I_B = 0$			-10	μA
I_{EBO}	Emitter cutoff current	$V_{EB} = -6\text{V}$, $I_C = 0$			-1	μA
$h_{FE(1)}$	DC current gain	$V_{CE} = -5\text{V}$, $I_C = -1\text{mA}$	60			
$h_{FE(2)}$		$V_{CE} = -5\text{V}$, $I_C = -10\text{mA}$	50			
$h_{FE(3)}$		$V_{CE} = -2\text{V}$, $I_C = -1\text{A}$	60		400	
V_{CEsat}	Collector-emitter saturation voltage	$I_C = -2\text{A}$, $I_B = -0.2\text{A}$			-0.45	V
V_{BEsat}	Base-emitter saturation voltage	$I_C = -2\text{A}$, $I_B = -0.2\text{A}$			-1.50	
f_T	Current Gain Bandwidth Product	$I_C = -0.1\text{A}$, $V_{CE} = -5\text{V}$, $f=10\text{MHz}$	50			MHz

Classification Of $h_{FE(1)}$

Rank	R	O	Y	GR
Range	60-120	100-200	160-320	200-400

Typical Electrical Characteristics

Static Characteristic



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bipolar Transistors - BJT category](#):

Click to view products by [ALJ manufacturer](#):

Other Similar products are found below :

[BC559C](#) [MCH4017-TL-H](#) [MMBT-2369-TR](#) [BC546/116](#) [NJVMJD148T4G](#) [NTE16](#) [NTE195A](#) [IMX9T110](#) [2N4401-A](#) [2N6728](#) [2SA1419T-TD-H](#) [2SB1204S-TL-E](#) [2SC5488A-TL-H](#) [FMC5AT148](#) [2N2369ADCSM](#) [2N2907A](#) [2N3904-NS](#) [2N5769](#) [2SC4618TLN](#) [CPH6501-TL-E](#) [BC856BW-13-F](#) [US6T6TR](#) [BAX18/A52R](#) [BC556/112](#) [IMZ2AT108](#) [MMST8098T146](#) [MCH6102-TL-E](#) [BC846B-13-F](#) [2N3879](#) [30A02MH-TL-E](#) [NTE13](#) [NTE282](#) [NTE323](#) [NTE350](#) [NTE81](#) [JANTX2N2920L](#) [JANSR2N2907AUB](#) [CMLT3946EG TR](#) [SNSS40600CF8T1G](#) [CMLT3906EG TR](#) [GRP-DATA-JANS2N2907AUB](#) [GRP-DATA-JANS2N2222AUA](#) [MMDT3946FL3-7](#) [2N4240](#) [JANS2N3019](#) [MSB30KH-13](#) [2N2221AUB](#) [2SD1815T-TL-E](#) [2N6678](#) [2N2907Ae4](#)