



DESCRIPTION

The B772 is available in SOT-89 package

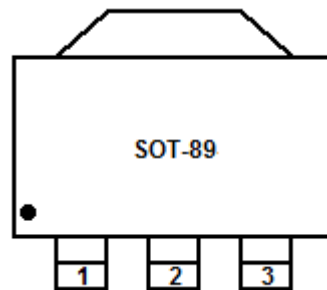
FEATURES

- Available in SOT-89 package

ORDERING INFORMATION

Package Type	Part Number
SOT-89	B772
Note	SPQ: 1,000pcs/Reel
AiT provides all RoHS Compliant Products	

PIN DESCRIPTION



1. BASE
2. COLLECTOR
3. EMITTER



ABSOLUTE MAXIMUM RATINGS

V _{CEO} , Collector-Emitter Voltage	-32V
V _{CBO} , Collector-Base Voltage	-40V
V _{EBO} , Emitter-Base Voltage	-5V
I _C , Collector Current	-1.5A
P _{TOT} , Total Device Dissipation(T _A =25°C) ^{NOTE1}	1.2W
T _{JM} , Junction Temperature(Max)	150°C
T _{STG} , Storage Temperature	-55°C ~150°C

Stresses above may cause permanent damage to the device. These are stress ratings only and functional operation of the device at these or any other conditions beyond those indicated in the Electrical Characteristics are not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

NOTE1: Device mounted on a printed circuit board.

ELECTRICAL CHARACTERISTICS

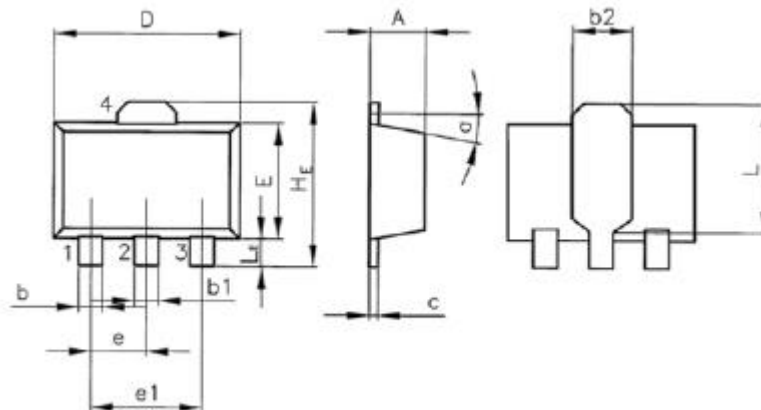
T_A=25°C

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Breakdown Voltage	V _{(BR)CEO}	I _C =1mA, I _B =0	-32			V
	V _{(BR)CBO}	I _C =50μA, I _E =0	-40			V
	V _{(BR)EBO}	I _E =50μA, I _C =0	-5			V
Collector-Cutoff Current	I _{CBO}	V _{CB} =20V, I _E =0			-500	nA
DC Current Gain	h _{FE}	I _C =100mA, V _{CE} =3.0V	160		320	-
Collector- Emitter Saturation Voltage	V _{CE(sat)}	I _C =500mA, I _B =50mA			-0.50	V
Current Gain-Bandwidth Product	f _T	I _C =50mA, V _{CE} =5V	150			MHz



PACKAGE INFORMATION

Dimension in SOT-89 (Unit: mm)



Symbol	Min	Typ	Max
A		1.500	
b			0.650
b1			0.650
b2		1.600	
c	0.250		
D		4.500	
E			2.600
e		1.500	
e1		3.000	
HE			4.250
L	2.600		2.950
LE	0.800		1.200
α			10°



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