



DESCRIPTION

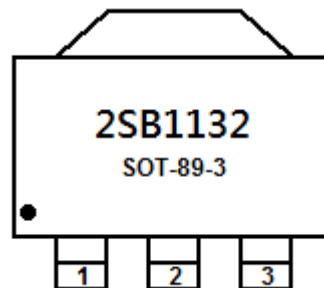
The 2SB1132 is available in SOT-89 Package

FEATURES

- 1W, 1A, 32V PNP
- RoHS Compliant
- Available in SOT-89 Package

ORDERING INFORMATION

Package Type	Part Number
SOT-89	2SB1132
Note	SPQ: 1,000pcs/Reel
AiT provides all RoHS Compliant Products	



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	-1A
P_{TOT} , Total Device Dissipation($T_A = 25^\circ\text{C}$) ^{NOTE1}	1W
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

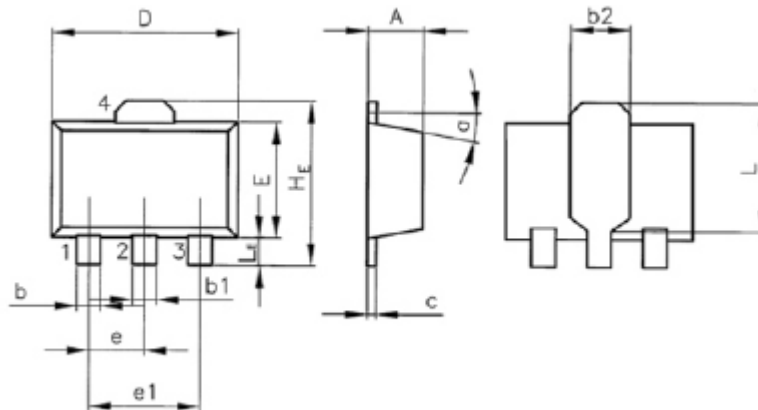
$T_A = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Breakdown Voltage	$V_{(BR)CEO}$	$I_C = 1\text{mA}, I_B = 0$	-32			V
	$V_{(BR)CBO}$	$I_C = 50\mu\text{A}, I_E = 0$	-40			V
	$V_{(BR)EBO}$	$I_E = 50\mu\text{A}, I_C = 0$	-5			V
Collector-Cutoff Current	I_{CBO}	$V_{CB} = 20\text{V}, I_E = 0$			-500	nA
DC Current Gain	h_{FE}	$I_C = 100\text{mA}, V_{CE} = 3.0\text{V}$	190		300	-
Collector- Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 500\text{mA}, I_B = 50\text{mA}$			-0.50	V
Current Gain-Bandwidth Product	f_T	$I_C = 50\text{mA}, V_{CE} = 5\text{V}$	150			MHz



PACKAGE INFORMATION

Dimension in SOT-89 (Unit: mm)



Symbol	Min	Typ	Max
A		1.5	
b			0.65
b1			0.65
b2		1.6	
c	0.25		
D		4.5	
E			2.6
e		1.5	
e1		3	
H _E			4.25
L	2.6		2.95
L _E	0.8		1.2
α			10°



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