



DESCRIPTION

The 2SC4672 is available in SOT-89 package

FEATURES

- Available in SOT-89 package

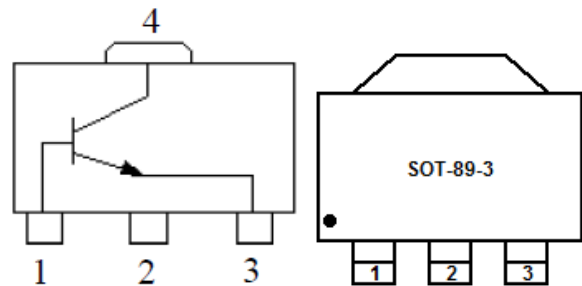
ORDERING INFORMATION

Package Type	Part Number
SOT-89	2SC4672Q
	2SC4672R
Note	SPQ: 1,000pcs/Reel
AiT provides all RoHS Compliant Products	

APPLICATIONS

- Can be used for switching and amplifying in various electrical and electronic circuit.

PIN DESCRIPTION





ABSOLUTE MAXIMUM RATINGS

V_{CEO} , Collector-Emitter Voltage($I_B=0$)	25V
V_{CBO} , Collector-Base Voltage($I_E=0$)	40V
V_{EBO} , Emitter-Base Voltage($I_C=0$)	6V
I_C , Collector Current	1.5A
P_{TOT} , Total Device Dissipation($T_A=25^{\circ}C$) ^{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 is mounted on a printed circuit board.

ELECTRICAL CHARACTERISTICS

$T_A=25^{\circ}C$, unless otherwise specified

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=2mA, I_B=0$	25	-	-	V
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=100\mu A, I_E=0$	40	-	-	V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=100\mu A, I_C=0$	6	-	-	V
Forward Current Transfer Ratio	h_{FE}	$V_{CE}=1V,$ $I_C=100mA$	Q	120	-	270
			R	180	-	390
Collector-Base Current	I_{CBO}	$V_{CB}=35V, I_E=0$	-	-	100	nA
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=800mA, I_B=80mA$	-	-	0.5	V
Characteristic Frequency	f_T	$I_C=50mA, V_{CE}=10V,$ $f=100MHz$	-	100	-	MHz



ELECTRICAL CHARACTERISTICS CURVES

Figure 1.

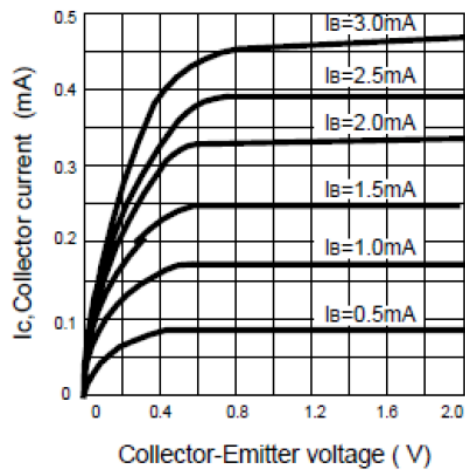


Figure 2.

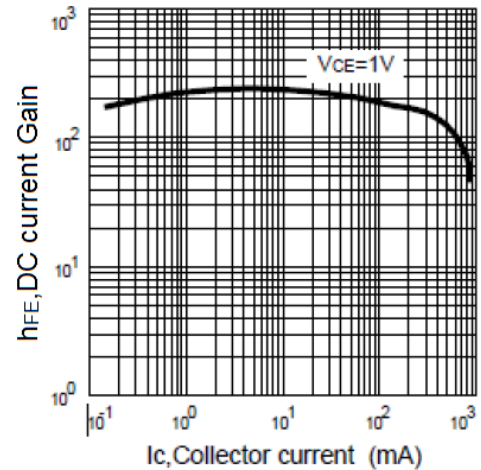


Figure 3.

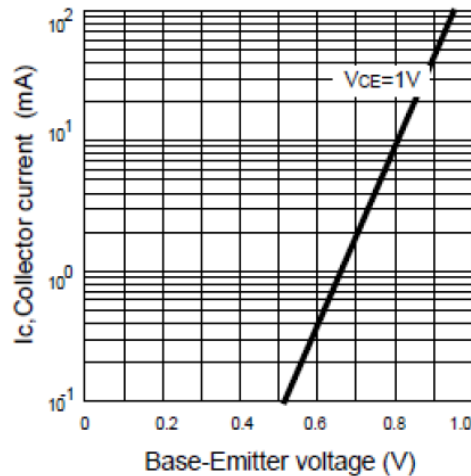


Figure 4.

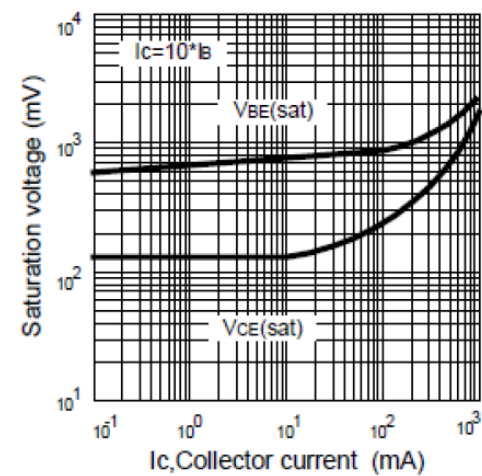


Figure 5.

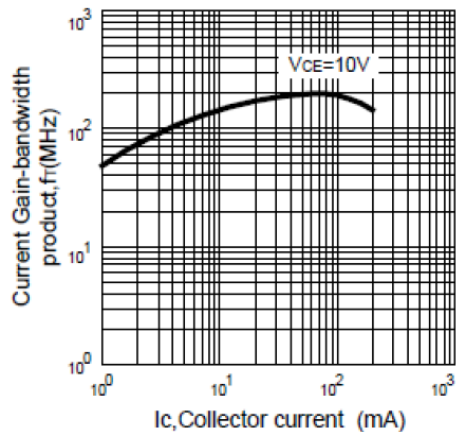
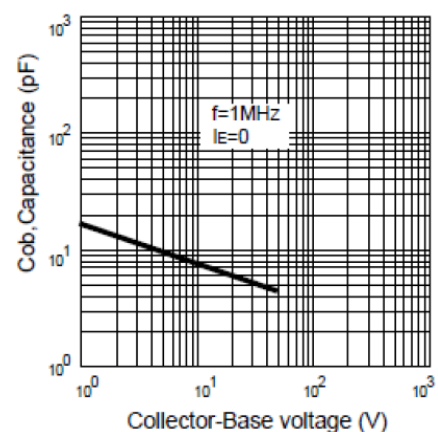


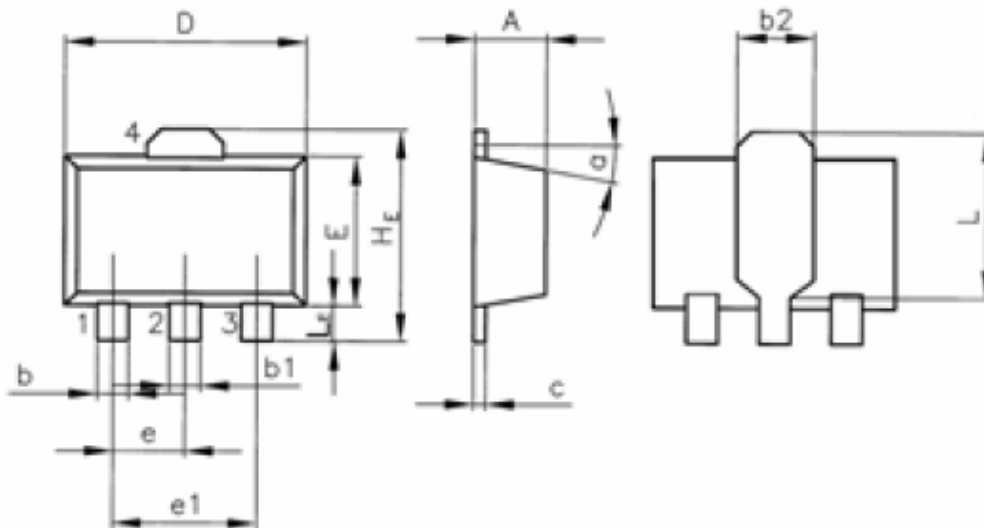
Figure 6.





PACKAGE INFORMATION

Dimension in SOT-89 (Unit: mm)



Symbol	Min	Typ	Max
A	1.4	-	1.6
b	0.35	-	0.55
b1	0.4	-	0.65
b2	-	1.6	-
c	0.35	-	0.45
D	4.4	-	4.6
E	2.35	-	2.55
e	-	1.5	-
e1	-	3	-
H _E	-	4.15	-
L	-	2.7	-
L _E	-	1.0	-
α	-	5°	-



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