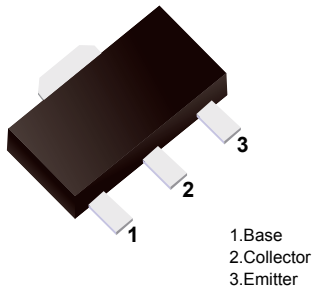


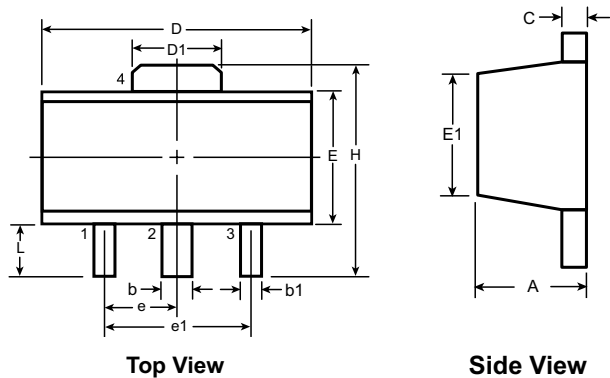
■ Features

- Low Saturation Voltage
- Excellent h_{FE} Characteristics
- Complementary to 2SA1797



■ Simplified outline(SOT-89)

SOT-89 PACKAGE OUTLINE



Symbol	A	b	b1	C	D	D1	E	E1	e	e1	H	L
Dimensions (mm)	MIN	1.40	0.44	0.36	0.3	4.40	1.50	2.29	2.00 [†]	1.50 BSC	3.94	0.89
	NOM	-	-	-	-	-	-	-	-	-	-	-
	MAX	1.60	0.56	0.48	0.5	4.60	1.75	2.60	2.29	-	4.25	1.20

Dimensions in mm

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

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	V_{CBO}	60	V
Collector - Emitter Voltage	V_{CEO}	50	
Emitter - Base Voltage	V_{EBO}	6	
Collector Current - Continuous	I_C	2	A
Collector Power Dissipation	P_C	500	mW
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	250	$^{\circ}\text{C}/\text{W}$
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-55 to 150	

2SC4672

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V _{CBO}	I _C = 50 μ A, I _E = 0	60			V
Collector- emitter breakdown voltage	V _{CEO}	I _C = 1 mA, I _B = 0	50			
Emitter - base breakdown voltage	V _{EBO}	I _E = 50 μ A, I _C = 0	6			
Collector-base cut-off current	I _{CBO}	V _{CB} = 60V , I _E = 0			0.1	μ A
Emitter cut-off current	I _{EBO}	V _{EB} = 5V , I _C =0			0.1	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =1A, I _B =50mA			0.35	V
Base - emitter saturation voltage	V _{BE(sat)}	I _C =1A, I _B =50mA			1.2	
DC current gain	h _{FE}	V _{CE} = 2V, I _C = 500mA	82		390	
Collector output capacitance	C _{ob}	V _{CB} = 10V, I _E = 0,f=1MHz		25		pF
Transition frequency	f _T	V _{CE} = 2V, I _C = 500mA,f=100MHz		210		MHz

■ Classification of hfe

Type	2SC4672-P	2SC4672-Q	2SC4672-R
Range	82-180	120-270	180-390
Marking	DKP	DKQ	DKR

RATING AND CHARACTERISTIC CURVES (2SC4672)

