Low Frequency Transistor (50V, 2A) **2SC4672**

● Features

- 1) Low saturation voltage, typically Vce (sat) =0.1V at Ic/IB =1A/50mA.
- 2) Excellent DC current gain characteristics.
- 3) Complements the 2SA1797.

● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit	
Collector-base voltage	Vсво	60	V	
Collector-emitter voltage	Vceo	50	V	
Emitter-base voltage	Vево	6	V	
Collector current	1.	2	A (DC)	
Collector current	lc lc		A (Pulse) *	
Collector power dissipation	Pc	0.5	W	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55~+150	°C	

^{*} Single pulse, Pw=10ms

●Packaging specifications and hFE

Туре	2SC4672
Package	MPT3
hfe	PQ
Marking	DK *
Code	T100
Basic ordering unit (pieces)	1000

^{*} Denotes hre

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Collector-base breakdown voltage	ВУсво	60	-	-	V	Ic=50μA	
Collector-emitter breakdown voltage	BVceo	50	-	_	V	Ic=1mA	
Emitter-base breakdown voltage	ВУево	6	-	_	V	Iε=50μA	
Collector cutoff current	Ісво	-	-	0.1	μΑ	Vcb=60V	
Emitter cutoff current	ІЕВО	-	-	0.1	μΑ	V _{EB} =5V	
Collector-emitter saturation voltage	VCE(sat)	-	0.1	0.35	V	Ic/I _B =1A/50mA	*
DC current transfer ratio	hfe	82	_	270	-	Vce=2V, Ic=0.5A	a)c
Transition frequency	f⊤	-	210	_	MHz	Vce=2V, Ie=-0.5A, f=100MHz	
Output capacitance	Cob	-	25	-	pF	Vcb=10V, Ie=0A, f=1MHz	

^{*}Measured using pulse current.

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