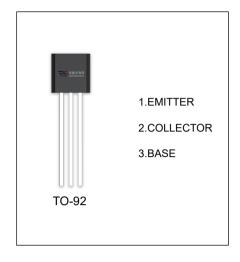


2SA1300 42AN3)34/2 (0N0)

FEATURES

- (IGH \$C CURRENT GAIN AND EXCELLENT H_{&E} LINEARITY
- LOW SATURATION VOLTAGE



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2SA1300	TO-92	Bulk	1000pcs/Bag
2SA1300-TA	TO-92	Таре	2000pcs/Box

MAXIMUM RATINGS (T_a =25 $^{\circ}$ C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-20	V
V _{CEO}	Collector-Emitter Voltage	-10	V
V _{EBO}	Emitter-Base Voltage	-6	V
Ic	Collector Current -Continuous	-2	А
P _D	Collector Power Dissipation	750	mW
R _{0 JA}	Thermal Resistance from Junction to Ambient	166	°C /W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C



$T_a \text{=} 25\,^\circ\!\!\subset\,$ unless otherwise specified

Parameter	3 YMBOL	TEST CONDItions	Min	4ур	Max	Unit
Collector-base breakdown voltage	6 _{(B2)CB} /) _C =-1MA ,) _E =0	-20			6
Collector-emitter breakdown voltage	6 _{(B2)CE} /) _C =-10MA ,) _B =0	-10			6
Emitter-base breakdown voltage	6 _{(B2)EB/}) _E =-1MA,) _C =0	-6			6
Collector cut-off current)св/	6 _{CB} =-206 ,) _E =0			-0.1	±Α
Emitter cut-off current) EB/	6 _{EB} =-66,Ic=0			-0.1	±Α
DC current gain	H _{&E}	6 _{CE} =-16,) _C =-0.5A	140		600	
Collector-emitter saturation voltage	6 _{CE(SAT)}) _C =-2A,) _B = -100MA			-0.82	6
Base-emitter voltage	6 _{BE}) _C = -2A, 6 _{CE} =-16			-1.5	6
Transition frequency	F 4	6_{CE} =-16, $)_{C}$ = -0.5A F = 30M(Z		140		M(Z
Collector Output Capacitance	СОВ	6 _{CB} =-106,)E=0 F=1M(:		50		pF

CLASSIFICATION OF hFE

Rank	9	G2	BL
Range	140-280	200-400	300-600