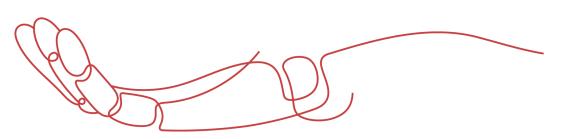


PRODUCT DATA SHEET



To learn more about JGSEMI, please visit our website at







Datasheet

Samples

Please note: Please check the JINGAO Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.jg-semi.cn. Please email any questions regarding the system integration to JINGAO_questions@jgsemi.com.



PNP Silicon Power Transistor

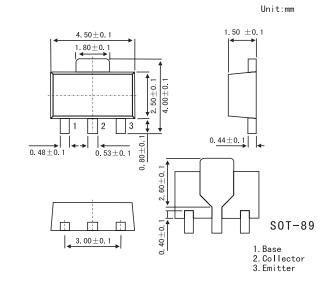
Features

Low saturation voltage.

VcE(sat)≤-0.5(@ Ic=-2A,IB=-0.2A)

Excellent hfe

hre: 60 to 400 (@Vce=-2V,Ic=-1A)



Absolute Maximum Ratings Ta = 25 ℃

Parameter	Symbol	Rating	Unit	
Collector to base voltage	Vсво	-40	V	
Collector to emitter voltage	VCEO	-30	V	
Emitter to base voltage	VEBO	-5	V	
Collector current	Ic	-3	А	
Collector Power dissipation TA = 25℃	Pc	1.0	W	
Tc = 25°C	FC FC	10	W	
Junction temperature	Tj	150	$^{\circ}$	
Storage temperature range	Tstg	-55 to +150	$^{\circ}$	

^{*} PW≤350µs,duty cycle≤2%.

Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Тур	Max	Unit
Collector-base breakdown voltage	Vсво	Ic=-100 μ A,IE=0	-40			V
Collector-emitter breakdown voltage	Vceo	Ic= -10 mA , Iв=0	-30			V
Emitter-base breakdown voltage	VEBO	IE= -100 μ A, IC=0	-5			V
Collector cutoff current	Ісво	VcB = -30 V, IE = 0			-1.0	μА
Emitter cutoff current	ІЕВО	VEB = -6V, IC = 0			-1.0	μА
DC current gain *	hFE	VcE = -2.0 V, Ic = -1.0A *	60	160	400	
Collector saturation voltage *	VCE(sat)	Ic = -2A, IB = -0.2A		-0.3	-0.5	V
Base saturation voltage *	VBE(sat)	Ic = -2A, IB = -0.2A		-1.0	-2.0	V
Output capacitance	Cob	Vсв = -10 V, IE = 0,f=1.0МНz		55		pF
Transition frequency	f⊤	Vce = -5.0 V, Ie = -0.1A,f=10MHz		80		MHz

^{*} Pulsed: PW \leqslant 350 $\,\mu$ s, duty cycle \leqslant 2%



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