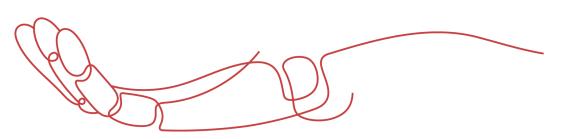


PRODUCT DATA SHEET



To learn more about JGSEMI, please visit our website at







Datasheet

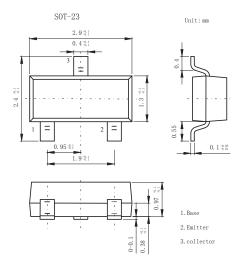
Samples

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.

NPN Transistors

■ Features

Collector Current: Ic=1.5A



■ Absolute Maximum Ratings Ta = 25°C

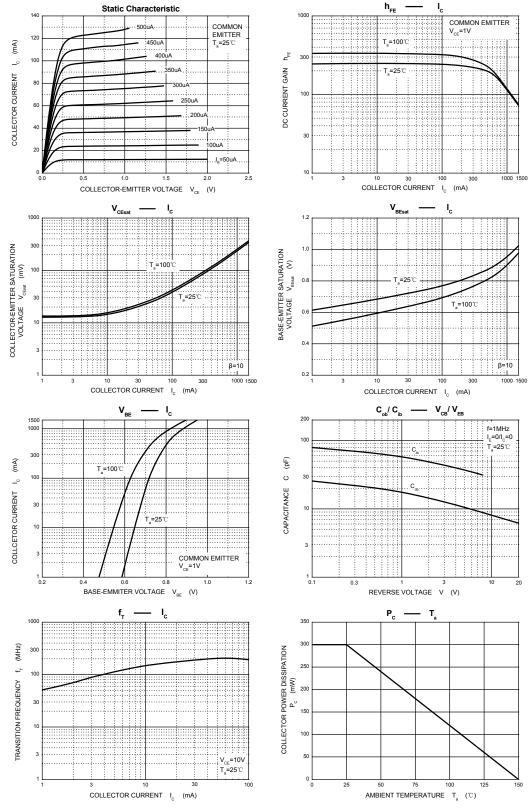
Parameter	Symbol	Rating	Unit
Collector-Base Voltage	Vсво	48	V
Collector-Emitter Voltage	VCEO	25	V
Emitter-Base Voltage	VEBO	5	V
Collector Current -Continuous	Ic	1.5	Α
Collector Dissipation	Pc	0.3	W
Junction Temperature	Tj	150	$^{\circ}$
Storage Temperature	Tstg	-55 to 150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions		Тур	Max	Unit
Collector-base breakdown voltage	Vсво	Ic = 100 uA, I E = 0				V
Collector-emitter breakdown voltage	VCEO	Ic = 1mA , IB = 0				V
Emitter-base Breakdown voltage	VEBO	IE = 100 u A, I c = 0				V
Collector-base cut-off current	Ісво	Vcb = 40 V , IE = 0			0.1	μ Α
Collector-emitter cut-off current	ICEO	VCE = 20 V , IB = 0			0.1	μ Α
Emitter-base cut-off current	ІЕВО	VEB = 5 V , IC = 0			0.1	μА
DC current gain	hFE	Vce = 1 V , Ic = 100 mA	120		400	
		Vce = 1 V , Ic = 800 mA	40			
Collector-emitter saturation voltage	VCE(sat)	Ic = 800 mA , IB = 80 mA			0.5	V
Base-emitter saturation voltage	VBE(sat)	Ic = 800 mA , Iв = 80 mA			1.2	V
Transition frequency	f⊤	Vce = 10 V , Ic = 50 mA , f = 30 MHz	100			MHz



■ Typical Characteristics





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