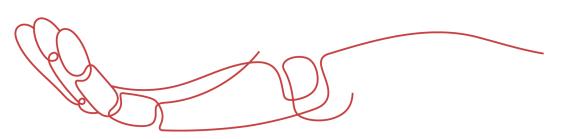




PRODUCT DATA SHEET



To learn more about JGSEMI, please visit our website at







Datasheet

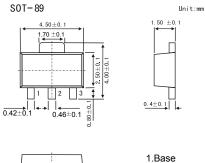
urces Samples

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 Transistors

■ Features

- Low collector-to-emitter saturation voltage.
- Large current capacity and wide ASO.
- Fast switching speed.







2.Collector 3.Emitter

■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit	
Collector - Base Voltage	Vсво	-60		
Collector - Emitter Voltage	VCEO	-50	V	
Emitter - Base Voltage	VEBO	-6		
Collector Current - Continuous	Ic	-3	Α	
Collector current -Pulse	ICP	-6		
Collector Power Dissipation	Pc	0.5	W	
(Note.1)	FC	1.5		
Junction Temperature	TJ	150	150 °C -55 to 150	
Storage Temperature range	Tstg	-55 to 150		

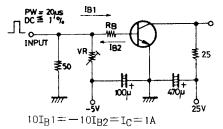
Note.1: Mounted on ceramic board (250mm² ×0.8mm)

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Collector- base breakdown voltage	Vсво	Ic= -100 μA, IE=0	-60			
Collector- emitter breakdown voltage	VCEO	Ic= -1 mA, R _{BE} =∞	-50			٧
Emitter - base breakdown voltage	VEBO	IE= -100 μ A, IC=0	-6			
Collector-base cut-off current	Ісво	VCB= -50V , IE=0			-1	uA
Emitter cut-off current	ІЕВО	VEB= -5V , IC=0			-1	
Collector-emitter saturation voltage	VCE(sat)	Ic=-2 A, IB=-100mA		-0.35	-0.7	V
Base - emitter saturation voltage	VBE(sat)	Ic=-2 A, IB=-100mA		-0.94	-1.2	
DC current gain	hFE	VCE= -2V, IC= -100 mA	100		560	
		VCE= -2V, IC= -3 A	35			
Turn-ON Time	ton			70		ns
Storage Time	tstg	See specified Test Circuit.		450		
Fall Time	tf			35		
Collector output capacitance	Cob	VCB = -10V, IE = 0, f = 1MHz		39		pF
Transition frequency	f⊤	VCE= -10V, IC= -50mA		150		MHz

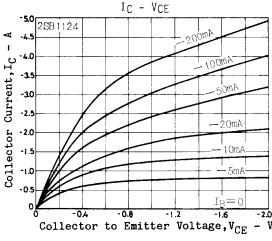


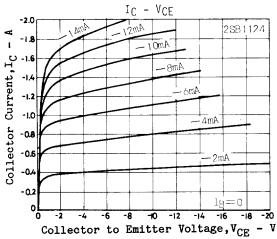
Switching Time Test Circuit

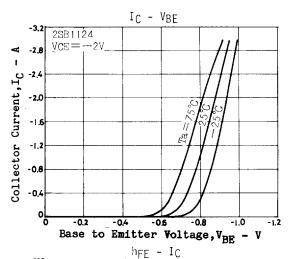


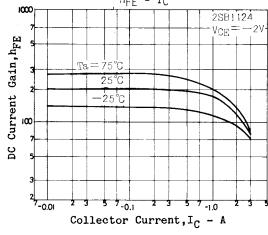
(For PNP, the polarity is reversed.) $Unit(resistance:\Omega, capacitance:F)$

■ Typical Characterisitics



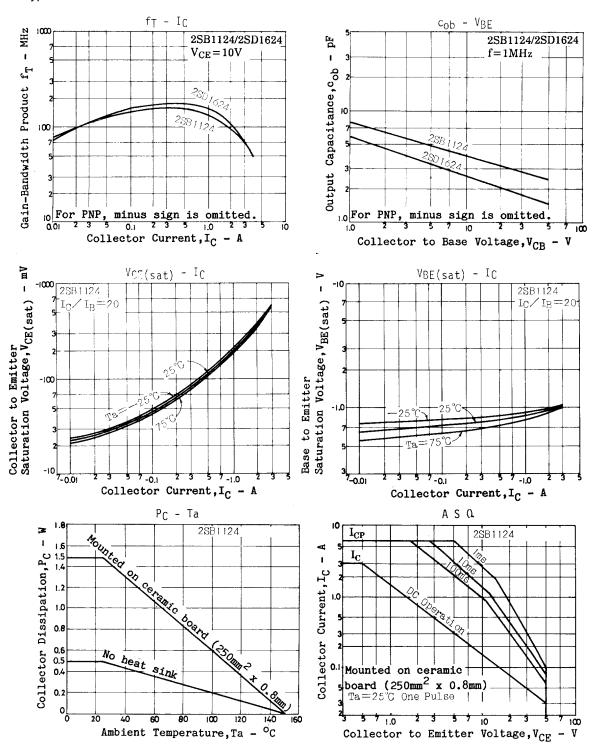








■ Typical Characterisitics





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