imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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For Power Amplification (-60V, -3A) 2SB1565

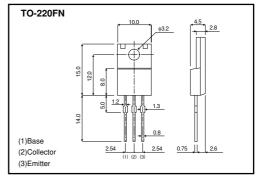
Structure

PNP Silicon Epitaxial Planar Transistor

Features

- 1) Low VCE (sat).
- 2) Excellent electrical characteristics of DC current Gain hFE.
- 3) Wide SOA.

•External dimensions (Unit : mm)



NPN

2SD2394

Applications

Low frequency power amplifier Stereophonic output Stabilization of power supply

Absolute maximum ratings (Ta=25°C)

Parameter		Symbol	Limits	Unit	
Collector-base voltage		Vсво	-60	V	
Collector-emitter voltage		VCEO	-60	V	
Emitter-base voltage		Vebo	-7	V	
Collector current	DC	lc	-3	A	
	Pulse	Іср	-6	A *1	
Collector power dissipation		Pc	2	W(Ta=25°C)	
		FC	25	W(Tc=25°C)	
Junction temperature		Tj	150	°C	
Storage temperature		Tstg	-55 to +150	°C	

Packaging specifications and hre

Complements

PNP

2SB1565

		Package	Taping
Туре		Code	-
	hfe	Basic ordering unit (pieces)	500
2SB1565	EF		0

hee values are classified as follows:

Item	E	F
hfe	100 to 200	160 to 320

*1 Pw=100ms, non repetitive pulse

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Collector-emitter breakdown voltage	BVCEO	-60	-	-	V	Ic=-1mA	
Collector-base breakdown voltage	ВУсво	-60	-	-	V	Ic=-50μA	
Emitter-base breakdown voltage	BVEBO	-7	-	-	V	Iε=-50μA	
Collector cutoff current	Ісво	-	-	-10	μA	Vcb=-60V	
Emitter cutoff current	Іево	-	-	-10	μA	Veb=-7V	
Collector-emitter saturation voltage	VCE(sat)	-	-	-1.5	V	Ic/IB=-2A/-0.2A	*1
DC current gain	hfe	100	-	320	-	Vce=-5V, Ic=-0.5A	*1,2
Transition frequency	fт	-	15	-	MHz	Vce=-5V, Ie=0.5A, f=5MHz	*1
Collector output capacitance	Cob	-	50	-	pF	VCB=-10V, IE=0A, f=1MHz	

*1 Single pulse *2 hre rank



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