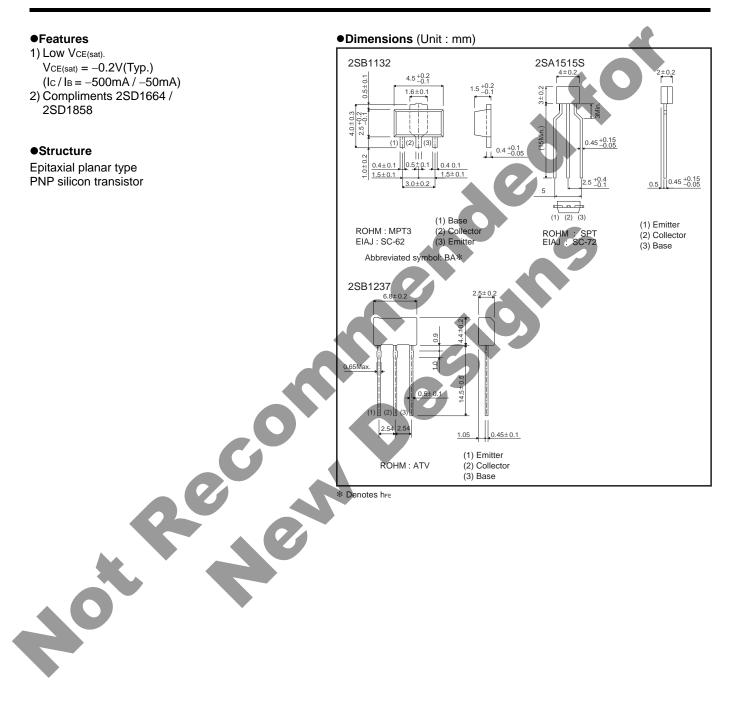


Medium Power Transistor (-32V, -1A)

2SB1132 / 2SA1515S / 2SB1237



•Absolute maximum ratings (Ta=25°C)

			/		
Parameter		Symbol	Limits	Unit	
Collector-base voltage		Vсво	-40	V	
Collector-emitter voltage		Vceo	-32	V	
Emitter-base voltage		Vево	-5	V	
Collector current			-1	A(DC)	
		lc	-2	A(Pulse) *1	
	2601122		0.5		
Collector power	2SB1132		2	*2	
dissipation	2SA1515S	Pc	0.3	W	
	2SB1237		1	*3	
Junction temperature		Tj	150	°C	
Storage temperature		Tstg	-55 to +150	°C	

•Electrical characteristics (Ta=25°C)

Collector curren		ic		-2		A(Pulse) *1	
	2SB1132			0.5				
Collector power		5		2		W	*2	60
dissipation	2SA1515S	Pc		0.3		vv		
	2SB1237			1			*3	66
Junction temper	ature	Tj		150		°C		
Storage tempera	ature	Tstg	-	-55 to +1	50	°C		
Electrical cha	aracteristi	cs (Ta=25°	°C)					
Pa	arameter		Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base b	reakdown vo	oltage	ВУсво	-40	-	-	V	Ic= -50μA
Collector-emitter	breakdown	voltage	BVCEO	-32	-	-	N	lc= –1mA
Emitter-base bre	akdown volt	age	ВУево	-5	-	-	V Z	lε= -50μA
Collector cutoff of	current		Ісво	-	-	-0.5	μA	Vcb= -20V
Emitter cutoff cu	rrent		Іево	-	-	-0.5	μA	Veb= -4V
Collector-emitter	saturation v	voltage	VCE(sat)	-	-0.2	-0.5	V	Ic/IB= -500mA/-50mA *
DC current	2SB1132	2, 2SB1237	bee	120		390	_	* Vc= -3V, lc= -0.1A
transfer ratio	2SA1515	58	hfe	120		390	-	VEE - 5V, IC = -0. IA
Transition freque	ency		fτ		150	-	MHz	Vce= –5V, le=50mA, f=30MHz
Output capacitar	nce		Cob	0-)	20	30	рF	Vсв= –10V, Ie=0A, f=1MHz
	ulse current							

* Measured using pulse current.

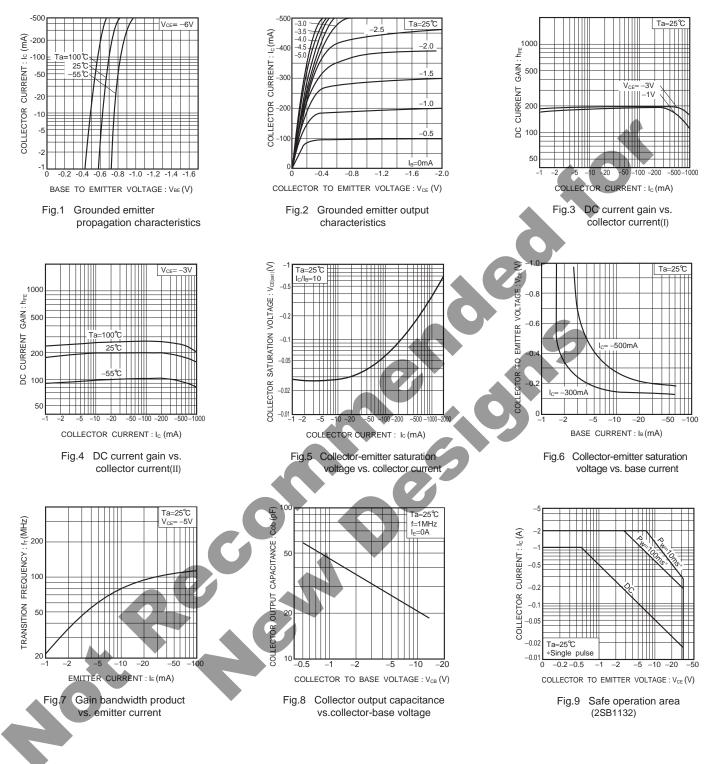
Packaging specifications and hre

		Package		Taping	
		Code	T100	TP	TU2
Туре	hfe	Basic ordering unit (pieces)	1000	5000	2500
2SB1132	QR		0	-	-
2SA1515S	QR		-	0	_
2SB1237	QR		-	-	0

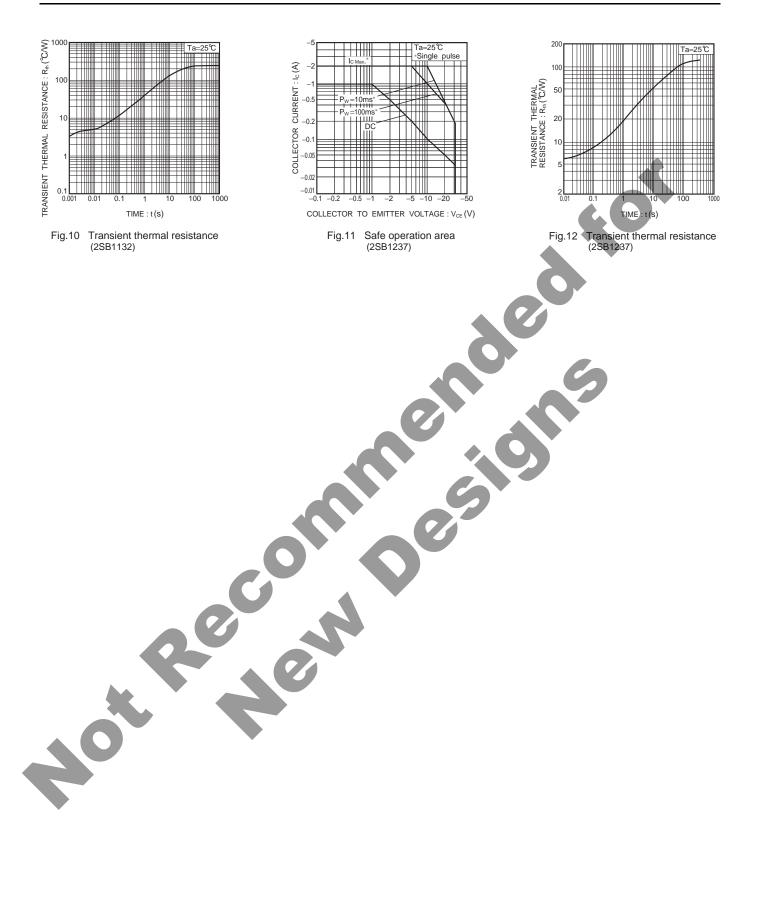
here values are classified as follows :

Item Q R	THE VAIDOU		a ao reneme	•••
	Item	Q	R	
hFE 120 to 270 180 to 390	hfe	120 to 270	180 to 390	

•Electrical characteristics curves



2SB1132 / 2SA1515S / 2SB1237



	Notes
1)	The information contained herein is subject to change without notice.
2)	Before you use our Products, please contact our sales representative and verify the latest specifications :
3)	Although ROHM is continuously working to improve product reliability and quality, semicon ductors can break down and malfunction due to various factors. Therefore, in order to prevent personal injury or fire arising from failure, please take safet measures such as complying with the derating characteristics, implementing redundant an fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Poducts beyond the rating specified b ROHM.
4)	Examples of application circuits, circuit constants and any other information contained herein ar provided only to illustrate the standard usage and operations of the Products. The periphera conditions must be taken into account when designing circuits for mass production.
5)	The technical information specified herein is intended only to show the typical functions of an examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly any license to use or exercise intellectual property or other rights held by ROHM or any othe parties. ROHM shall have no responsibility whatsoever for any dispute arising out of the use or such technical information.
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7)	The Products specified in this document are not designed to be radiation tolerant.
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>>ROHM Semiconductor(罗姆)