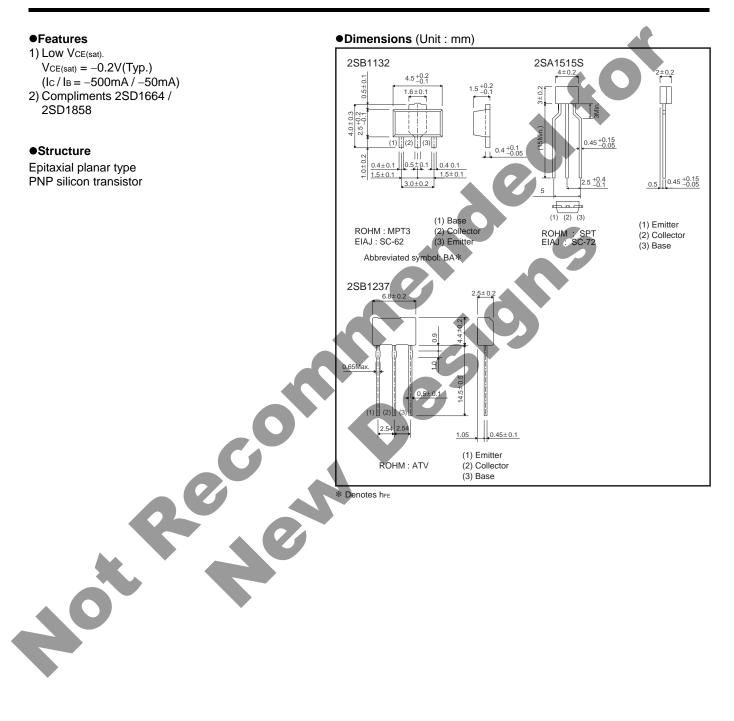


Medium Power Transistor (-32V, -1A)

2SB1132 / 2SA1515S / 2SB1237



•Absolute maximum ratings (Ta=25°C)

	xiiiiaiii ra	(1a=20 0	/		
Parameter		Symbol	Limits	Unit	
Collector-base voltage		Vсво	-40	V	
Collector-emitter voltage		Vceo	-32	V	
Emitter-base voltage		Vево	-5	V	
		lc	-1	A(DC)	
Collector curren	Collector current		-2	A(Pulse) *1	
	0004400		0.5		
Collector power	2SB1132	5	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)

	-			-2		A(Pulse	e) *1		
	2SB1132			0.5					
Collector power		Pc		2		W	*2		
lissipation	2SA1515S	FU		0.3		•••			
	2SB1237			1			*3		
unction temper	ature	Tj		150		°C			
torage tempera	ature	Tstg	-	-55 to +1	50	°C			
ectrical cha	aracteristi	cs (Ta=25°	°C)					20	
Pa	arameter		Symbol	Min.	Тур.	Max.	Unit	Conditions	
llector-base b	reakdown vo	oltage	ВУсво	-40	-	-	V	Ic=-50µA	0
ollector-emitter	breakdown	voltage	BVCEO	-32	-	-	N	lc= -1mA	
nitter-base bre	akdown volt	tage	ВVево	-5	-	-	V <	le= –50μA	
ollector cutoff o	current		Ісво	-	-	-0.5	μΑ	Vсв= -20V	
mitter cutoff cu	rrent		Іево	-	-	-0.5	μA	VEB= -4V	
collector-emitter	saturation v	/oltage	VCE(sat)	_	-0.2	-0.5	V	lc/lb= -500mA/-50mA	*
C current	2SB1132	2, 2SB1237	hfe	120		390	-	Vce= -3V, lc= -0.1A	*
ansfer ratio	2SA1518	5S	TIFE	120		390	-	VCE5V, IC0. TA	
ransition freque	ency		fτ		150	-	MHz	Vce= -5V, Ie=50mA, f=30MHz	
Output capacitar	nce		Cob		20	30	pF	Vcв= –10V, Ie=0A, f=1MHz	
	Inc. ourrent								_

* Measured using pulse current.

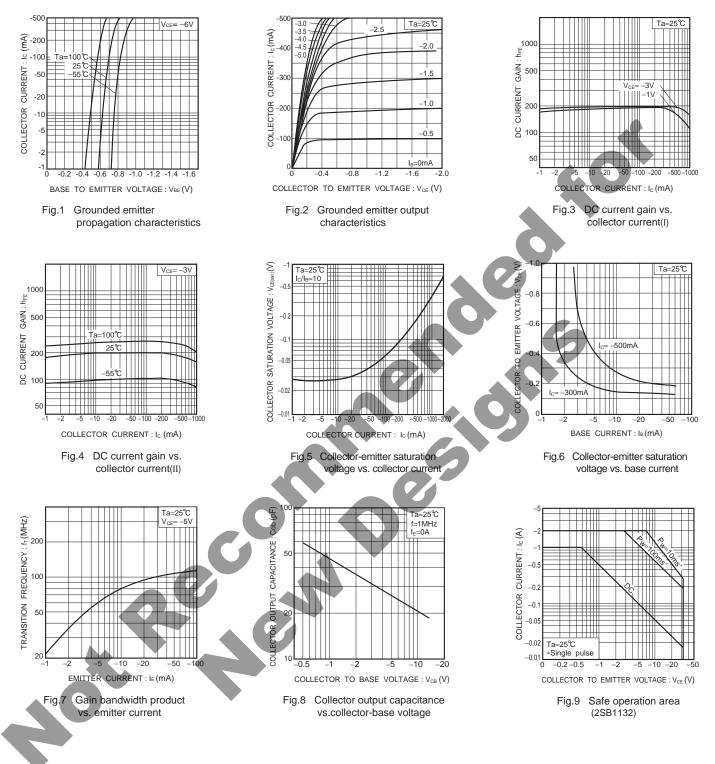
•Packaging specifications and hre

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

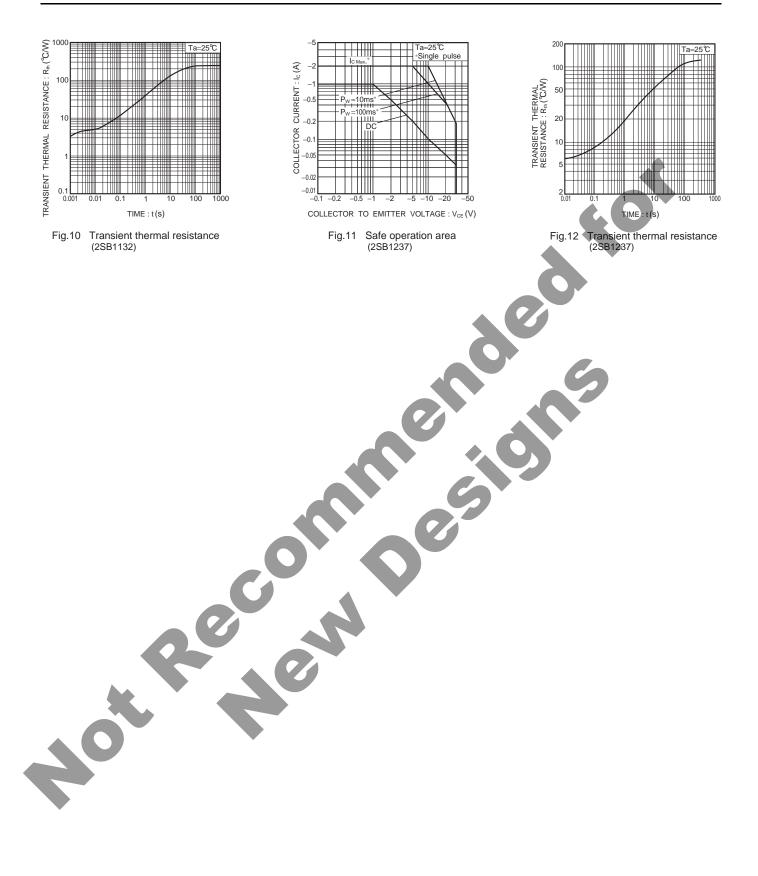
hre values are classified as follows :

Item	Q	R
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 and 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 by ROHM.
4)	Examples of application circuits, circuit constants and any other information contained herein are 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 and 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 of such technical information.
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7)	The Products specified in this document are not designed to be radiation tolerant.
8)	For use of our Products in applications requiring a high degree of reliability (as exemplified below), please contact and consult with a ROHM representative : transportation equipment (i.e. cars, ships, trains), primary communication equipment, traffic lights, fire/crime prevention, safety equipment, medical systems, servers, solar cells, and power transmission systems.
9)	Do not use our Products in applications requiring extremely high reliability, such as aerospace equipment, nuclear power control systems, and submarine repeaters.
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