捷多邦,专业PCB打样工厂,24小时加急出货

2SB1002

Silicon PNP Epitaxial

KENESAS

查询2SB1002CJTL-E供应商

REJ03G0660-0200 (Previous ADE-208-1035) Rev.2.00 Aug.10.2005

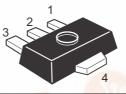
Application

- Low frequency power amplifier
- Complementary pair with 2SD1368

Outline



RENESAS Package code: PLZZ0004CA-A (Package name: UPAK[®])



1. Base 2. Collector 3. Emitter 4. Collector (Flange)

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*UPAK is a trademark of Renesas Technology Corp.

Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$
Item	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	-70	V
Collector to emitter voltage	V _{CEO}	-50	V
Emitter to base voltage	V _{EBO}	-6	V
Collector current	I _C	-1	А
Collector peak current	i _{C(peak)} * ¹	-1.5	А
Collector power dissipation	Pc*2	1	W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Notes: 1. $PW \le 10$ ms, Duty cycle $\le 20\%$

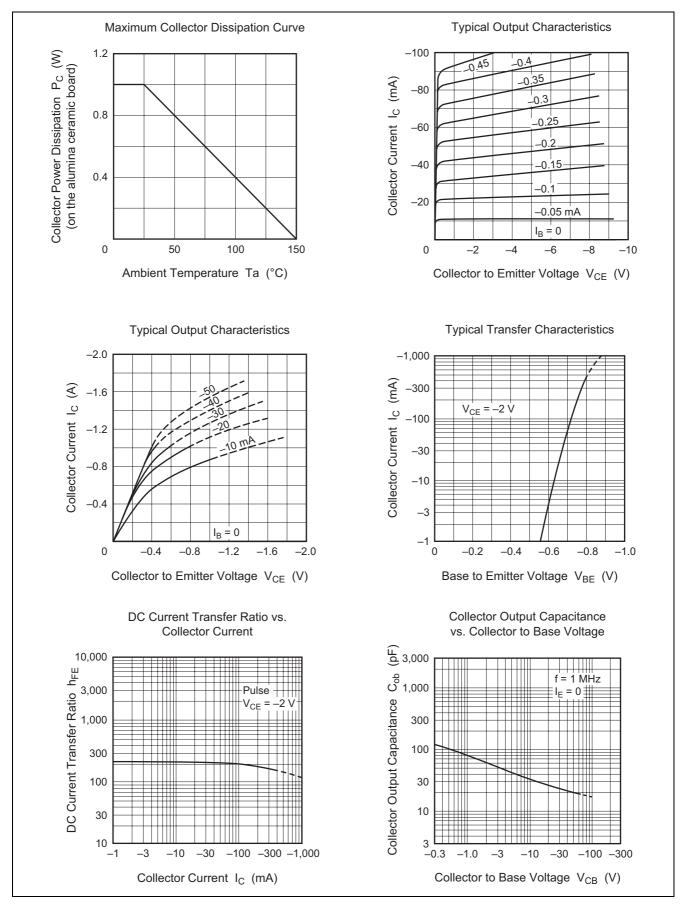
2. Value on the alumina ceramic board ($12.5 \times 20 \times 0.7$ mm)



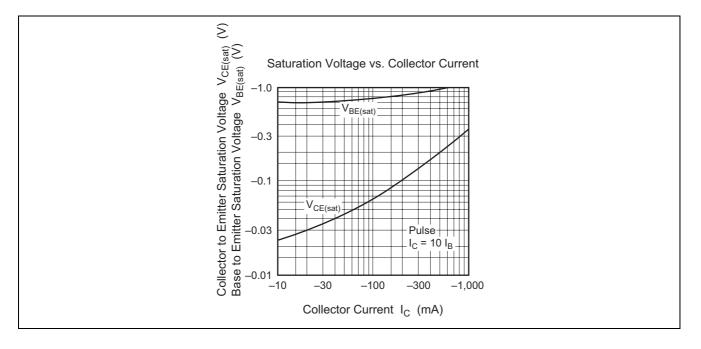
Electrical Characteristics

						$(Ta = 25^{\circ}C)$
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	V _{(BR)CBO}	-70	_		V	$I_{C} = -10 \ \mu A, \ I_{E} = 0$
Collector to emitter breakdown voltage	V _{(BR)CEO}	-50	_		V	$I_{C} = -1 \text{ mA}, R_{BE} = \infty$
Emitter to base breakdown voltage	V _{(BR)EBO}	-6	_		V	$I_E = -10 \ \mu A, \ I_C = 0$
Collector cutoff current	I _{CBO}	_	_	-0.1	μA	$V_{CB} = -50 \text{ V}, I_E = 0$
Emitter cutoff current	I _{EBO}	_	_	-0.1	μA	$V_{EB} = -4 V, I_{C} = 0$
DC current transfer ratio	h _{FE}	160	_	320		$V_{CE} = -2 V, I_C = -0.1 A$
Collector to emitter saturation voltage	V _{CE(sat)}			-0.6	V	$I_{\rm C} = -1 \text{ A},$
						$I_B = -0.1 \text{ A}$ (Pulse test)
Base to emitter saturation voltage	V _{BE(sat)}			-1.2	V	$I_{\rm C} = -1 \ {\rm A},$
						$I_B = -0.1 \text{ A}$ (Pulse test)
Gain bandwidth product	f⊤	—	150	—	MHz	$V_{CE} = -2 V,$
						$I_{\rm C} = -10$ mA (Pulse test)
Collector output capacitance	Cob		35		pF	$V_{CB} = -10 \text{ V}, I_E = 0,$
						f = 1 MHz

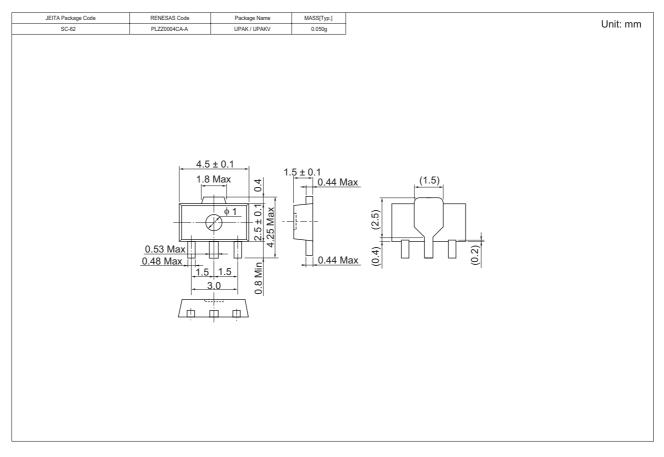
Main Characteristics







Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container		
2SB1002CJTL-E	1000	∲ 178 mm Reel, 12 mm Emboss Taping		
Note: For some grades, production may be terminated. Please contact the Renesas sales office to check the state of				

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