

HIT468

Silicon NPN Epitaxial

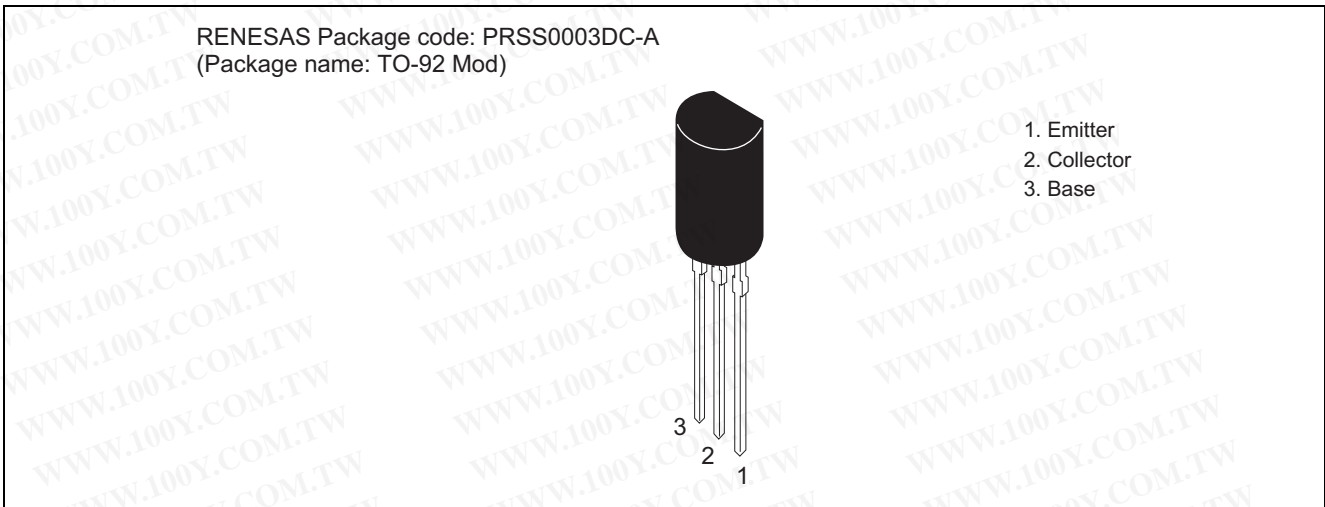
勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

REJ03G1502-0100
 Rev.1.00
 Jan 30, 2007

Features

- Low frequency power amplifier
- Complementary pair with HIT562

Outline



Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	45	V
Collector to emitter voltage	V_{CEO}	25	V
Emitter to base voltage	V_{EBO}	6	V
Collector current	I_C	1.0	A
Collector peak current	$I_{C(peak)}^{*1}$	1.5	A
Collector power dissipation	P_C	0.8	W
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

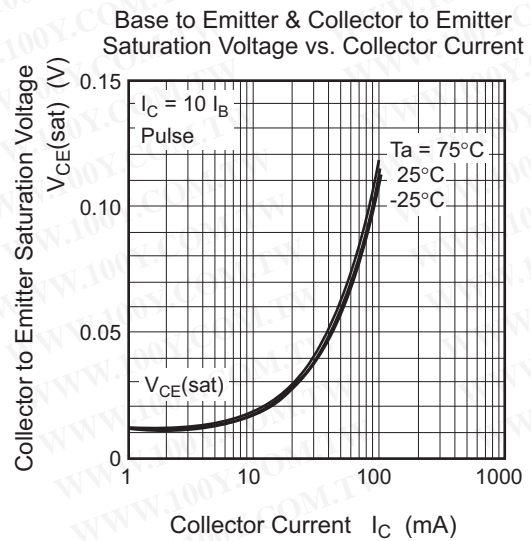
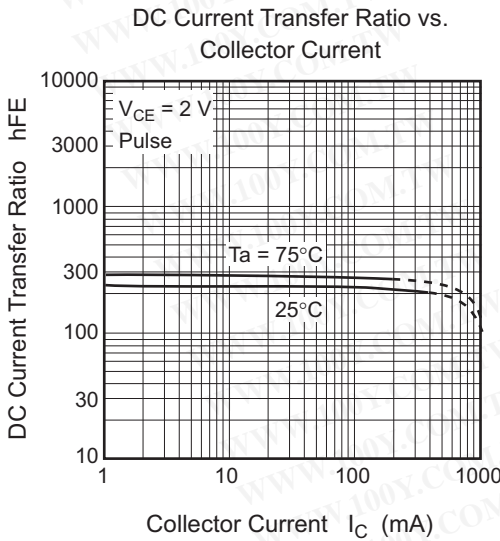
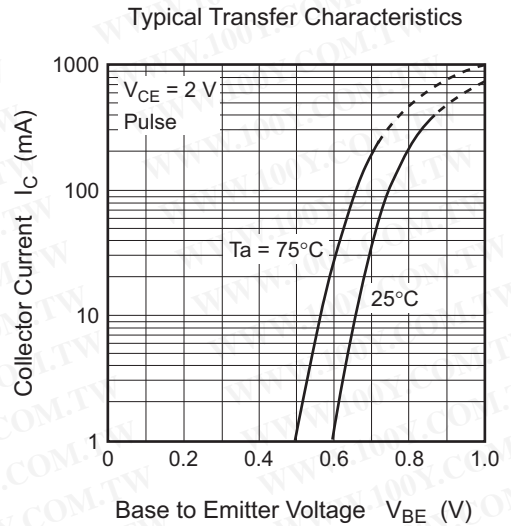
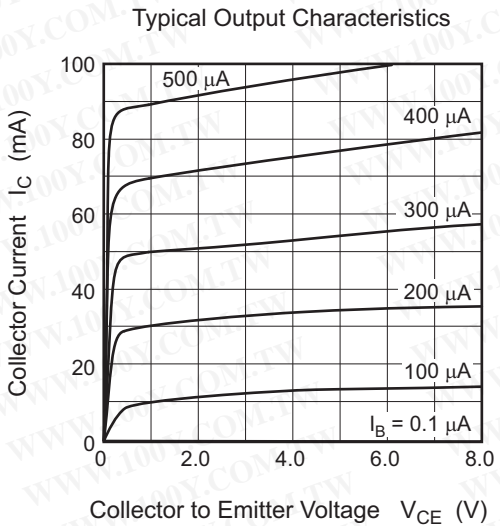
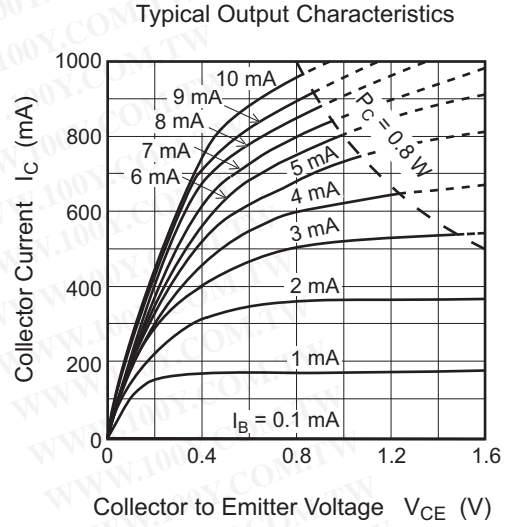
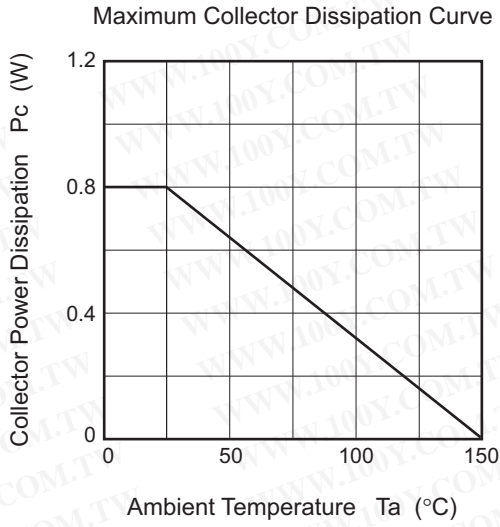
Note : 1. PW ≤ 10ms, Duty cycle ≤ 20%

Electrical Characteristics

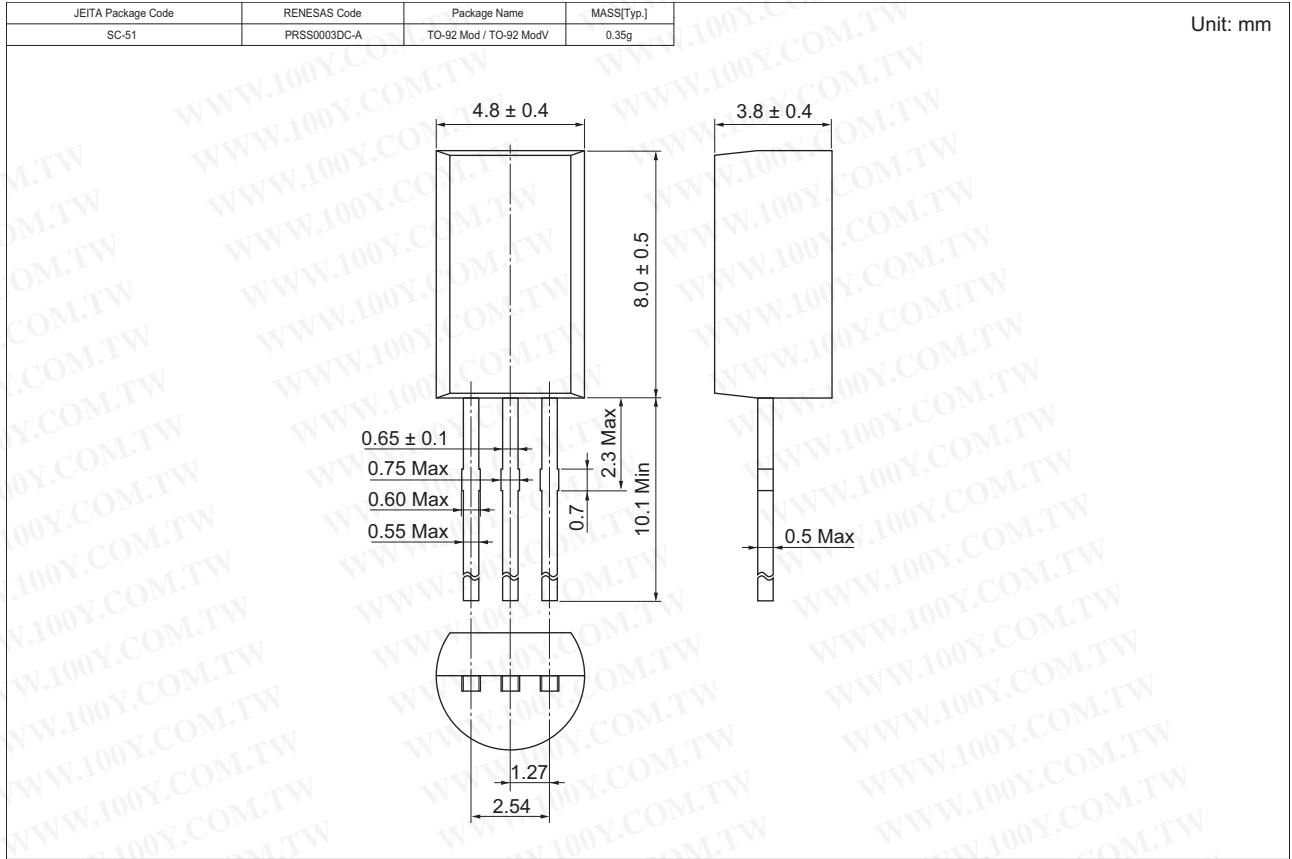
(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	45	—	—	V	$I_C = 10 \mu A, I_E = 0$
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	25	—	—	V	$I_C = 100 \mu A, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	6	—	—	V	$I_E = 10 \mu A, I_C = 0$
Collector cutoff current	I_{CBO}	—	—	500	nA	$V_{CB} = 45 V, I_E = 0$
Emitter cutoff current	I_{EBO}	—	—	500	nA	$V_{EB} = 6 V, I_C = 0$
DC current transfer ratio	h_{FE1}	45	—	—	—	$V_{CE} = 1 V, I_C = 5 mA$
	h_{FE2}	85	—	330	—	$V_{CE} = 1 V, I_C = 100 mA$
	h_{FE3}	40	—	—	—	$V_{CE} = 1 V, I_C = 800 mA$
Collector to emitter saturation voltage	$V_{CE(sat)}$	—	—	0.5	V	$I_C = 800 mA, I_B = 80 mA$
Base to emitter voltage	V_{BE}	—	—	1.0	V	$V_{CE} = 1 V, I_C = 10 mA$
Base to emitter saturation voltage	$V_{BE(sat)}$	—	—	1.2	V	$I_C = 800 mA, I_B = 80 mA$

Main Characteristics



Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
HIT468-EQ	2500 pcs	Bulk, Vinyl Bag
HIT468TZ-EQ	2500 pcs	Hold Box, Radial Taping

Note: This product is designed for consumer use and not for automotive.

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