

HIT562

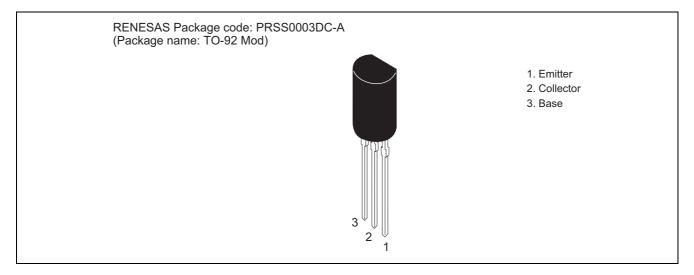
Silicon PNP Epitaxial

REJ03G1503-0300 Rev.3.00 Jun 23, 2009

Features

- Low frequency power amplifier
- Complementary pair with HIT468

Outline



Absolute Maximum Ratings

 $(Ta = 25^{\circ}C)$

	•		(14 25 6)
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	Ic	-1.0	Α
Collector peak current	I _{C (peak)} *1	-1.5	Α
Collector power dissipation	P _C	0.8	W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

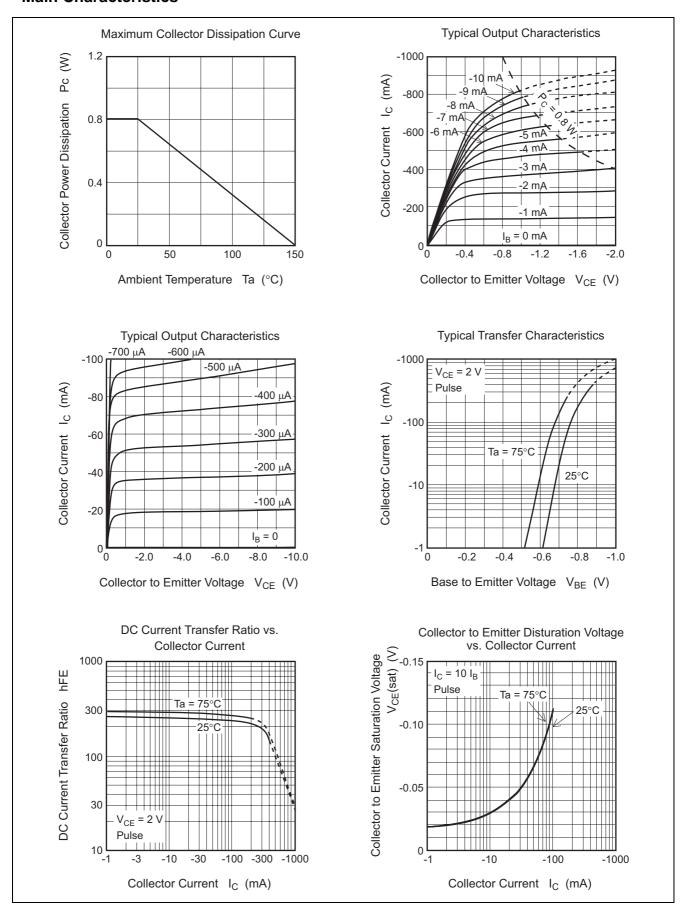
Note: 1. PW \leq 10 ms, Duty cycle \leq 20%

Electrical Characteristics

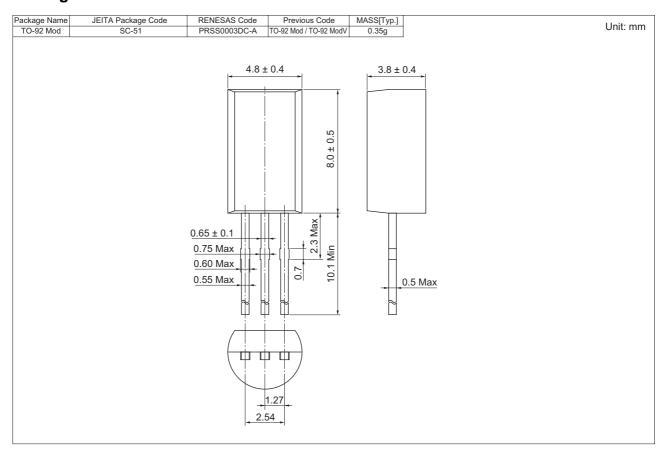
 $(Ta = 25^{\circ}C)$

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

Main Characteristics



Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container	Remarks
HIT562-EQ	2500 pcs.	Bulk, Vinyl Bag	PB free product
HIT562-TZ-EQ	2500 pcs.	Hold Box, Radial Taping	
HIT562-HQ	2500 pcs.	Bulk, Vinyl Bag	Halogen free & PB free product
HIT562-TZ-HQ	2500 pcs.	Hold Box, Radial Taping	

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

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