

HIT562

Silicon PNP Epitaxial

REJ03G1503-0200 Rev.2.00 Mar 05, 2007

Features

- Low frequency power amplifier
- Complementary pair with HIT468

Outline



Absolute Maximum Ratings

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

Item	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	-45	V
Collector to emitter voltage	$V_{\sf CEO}$	-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	Pc	0.8	W W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

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

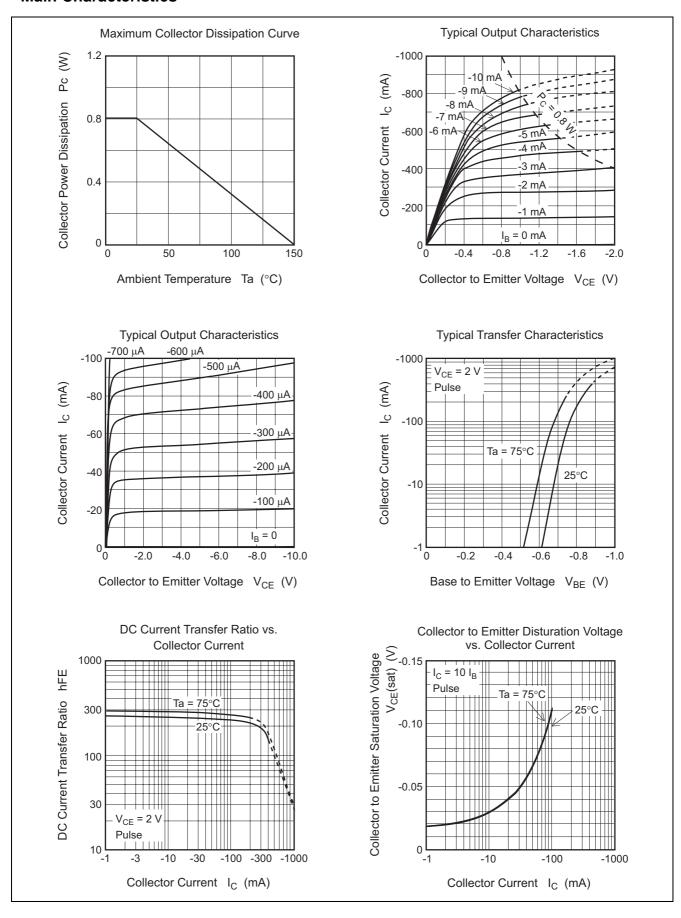


Electrical Characteristics

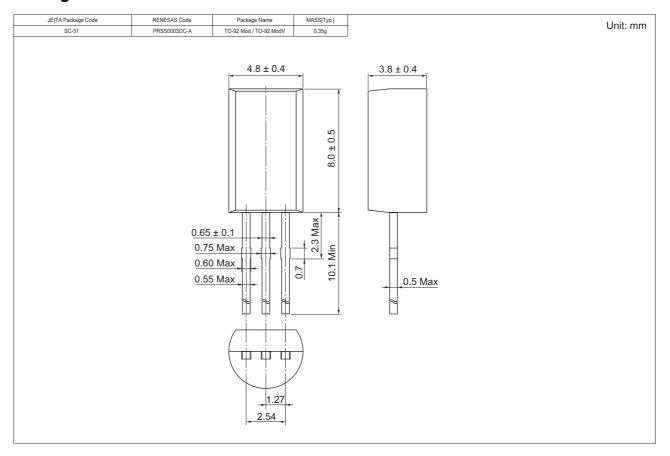
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	-45	_	_	V	$I_C = -10 \mu A, I_E = 0$
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	-25	_		V	I_C = -100 μ A, R_{BE} = ∞
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	$V_{CB} = -45 \text{ V}, I_{E} = 0$
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
HIT562-EQ	2500 pcs	Bulk, Vinyl Bag
HIT562TZ-EQ	2500 pcs	Hold Box, Radial Taping

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

Renesas Technology Corp. Sales Strategic Planning Div. Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan

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Renesas Technology America, Inc. 450 Holger Way, San Jose, CA 95134-1368, U.S.A Tel: <1> (408) 382-7500, Fax: <1> (408) 382-7501

Renesas Technology Europe Limited
Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K.
Tel: <44> (1628) 585-100, Fax: <44> (1628) 585-900

Renesas Technology (Shanghai) Co., Ltd. Unit 204, 205, AZIACenter, No.1233 Lujiazui Ring Rd, Pudong District, Shanghai, China 200120 Tel: <86> (21) 5877-1818, Fax: <86> (21) 6887-7898

Renesas Technology Hong Kong Ltd.
7th Floor, North Tower, World Finance Centre, Harbour City, 1 Canton Road, Tsimshatsui, Kowloon, Hong Kong Tel: <852> 2265-6688, Fax: <852> 2730-6071

Renesas Technology Taiwan Co., Ltd.10th Floor, No.99, Fushing North Road, Taipei, Taiwan Tel: <886> (2) 2715-2888, Fax: <886> (2) 2713-2999

Renesas Technology Singapore Pte. Ltd.
1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632 Tel: <65> 6213-0200, Fax: <65> 6278-8001

Renesas Technology Korea Co., Ltd. Kukje Center Bldg. 18th Fl., 191, 2-ka, Hangang-ro, Yongsan-ku, Seoul 140-702, Korea Tel: <82> (2) 796-3115, Fax: <82> (2) 796-2145

Renesas Technology Malaysia Sdn. Bhd
Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jalan Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: <603> 7955-9390, Fax: <603> 7955-9510