

HIT673

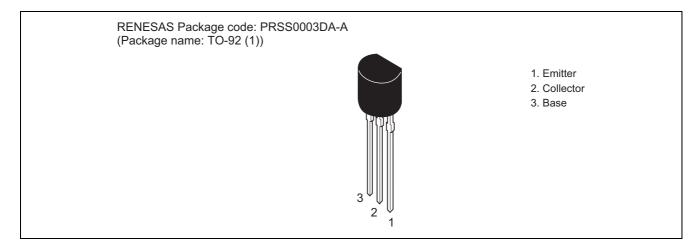
Silicon PNP Epitaxial

REJ03G1608-0100 Rev.1.00 Nov 28, 2007

Features

- Low frequency power amplifier
- Complementary pair with HIT1213

Outline



Absolute Maximum Ratings

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

Item	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	-50	V
Collector to emitter voltage	V _{CEO}	-50	V
Emitter to base voltage	V _{EBO}	- 5	V
Collector current	Ic	-0.5	A
Collector peak current	I _{C (peak)} Note	-1.0	A
Collector power dissipation	P _C	0.4	W
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

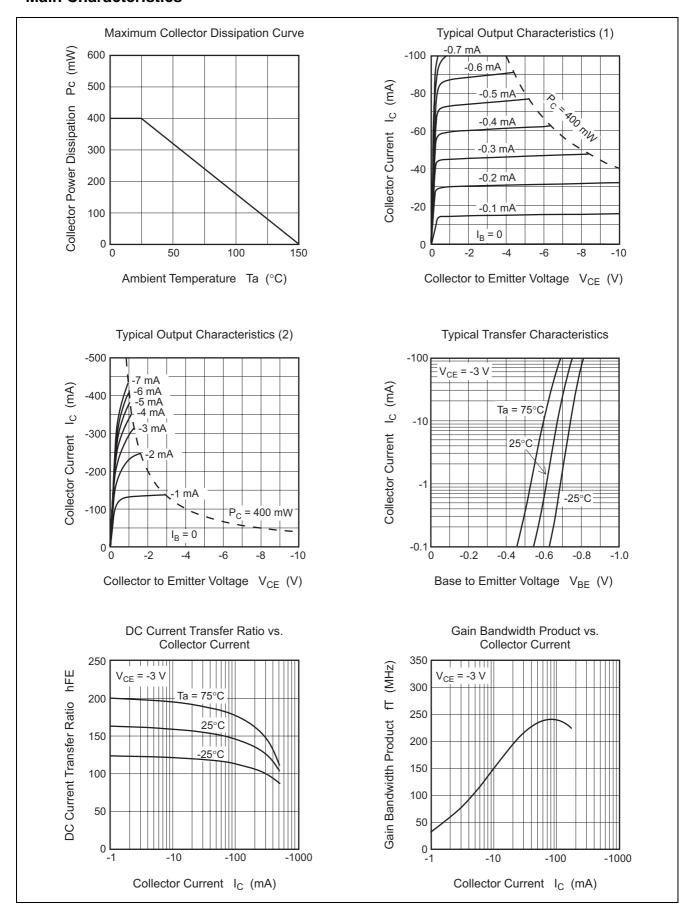
Note: PW ≤ 10 ms, Duty cycle ≤ 20%

Electrical Characteristics

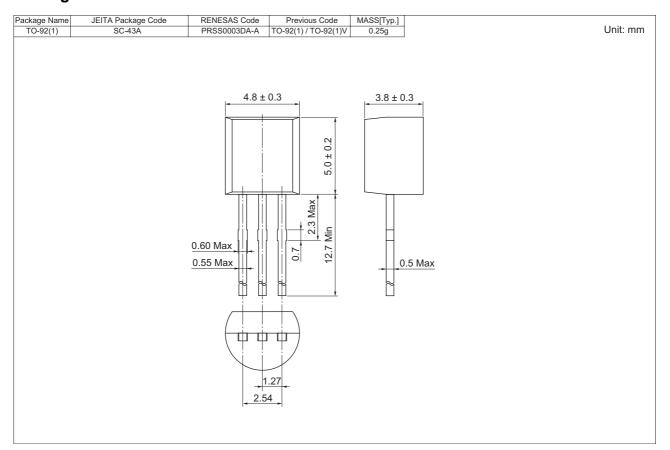
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min.	Тур	Max.	Unit	Test Conditions
Collector to base breakdown voltage	V _{(BR)CBO}	-50	_	_	V	$I_C = -10 \mu A, I_E = 0$
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	-50	_	_	V	$I_C = -0.1 \text{ mA}, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	- 5	_	_	V	$I_E = -10 \mu A, I_C = 0$
Collector cutoff current	I _{CBO}	_	_	-500	nA	$V_{CB} = -50 \text{ V}, I_{E} = 0$
Emitter cutoff current	I _{EBO}	_	_	-500	nA	V _{EB} = -5 V
DC current transfer ratio	h _{FE1}	60	_	320	_	$V_{CE} = -3 \text{ V}, I_{C} = -10 \text{ mA}$
Collector to emitter saturation voltage	V _{CE(sat)}	_	_	-0.6	V	$I_C = -150 \text{ mA}, I_B = -15 \text{ mA}$
Base to emitter voltage	V _{BE(on)}	_	_	-1.2	V	$V_{CE} = -3V$, $I_{C} = -10$ mA

Main Characteristics



Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container		
HIT673-EQ	2500 pcs.	Bulk, Vinyl Bag		
HIT673-TZ-EQ	2500 pcs.	Hold Box, Radial Taping		

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

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