

To our customers,

Old Company Name in Catalogs and Other Documents

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Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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Not recommended
for new design

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2SC4367

Silicon NPN Epitaxial

REJ03G0724-0200
 (Previous ADE-208-1105)
 Rev.2.00
 Aug.10.2005

Application

High Frequency amplifier

Outline

RENESAS Package code: PRSS0003DC-A
 (Package name: TO-92 Mod)



1. Emitter
2. Collector
3. Base

Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	30	V
Collector to emitter voltage	V_{CEO}	20	V
Emitter to base voltage	V_{EBO}	3	V
Collector current	I_C	100	mA
Collector peak current	$i_{C (peak)}$	200	mA
Collector power dissipation	P_C	600	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

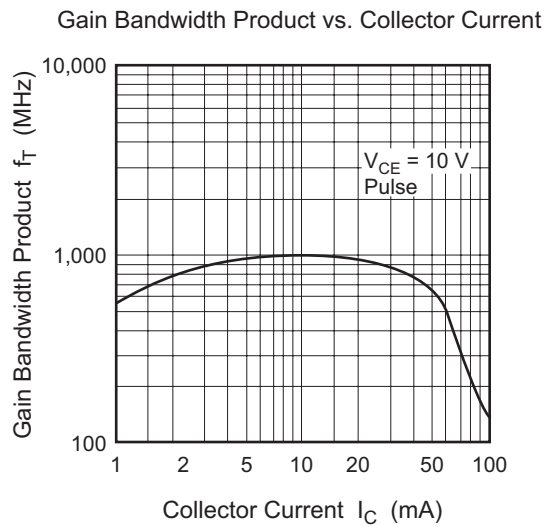
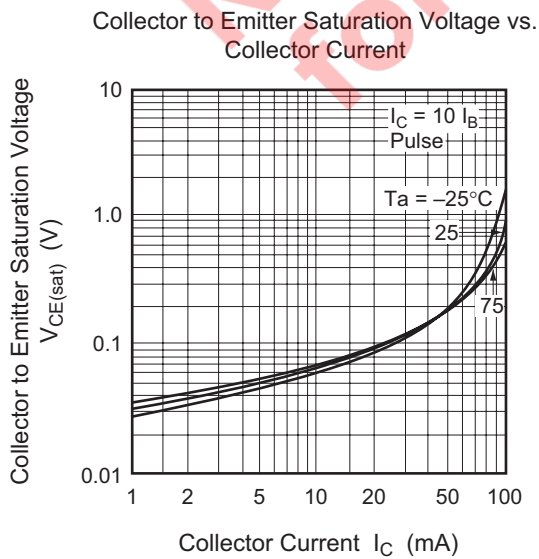
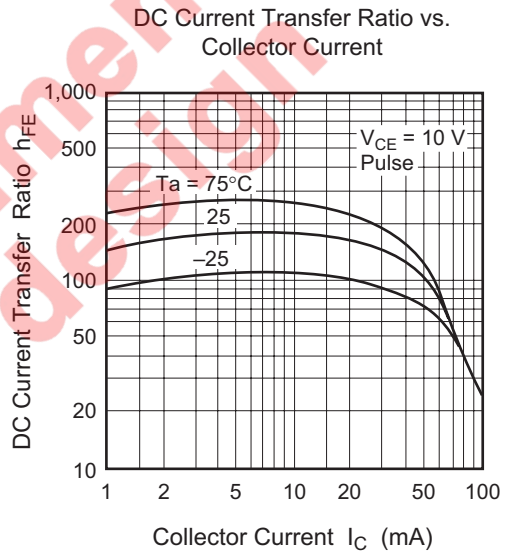
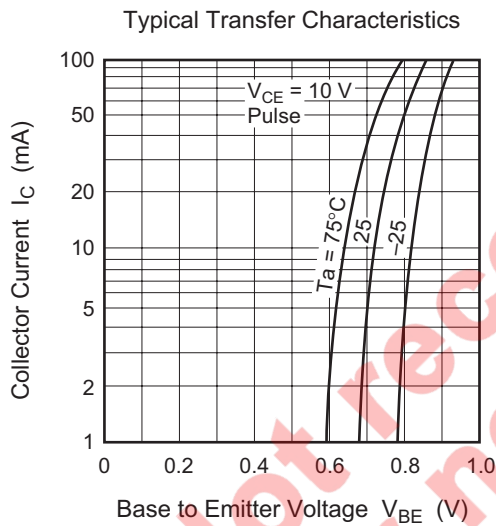
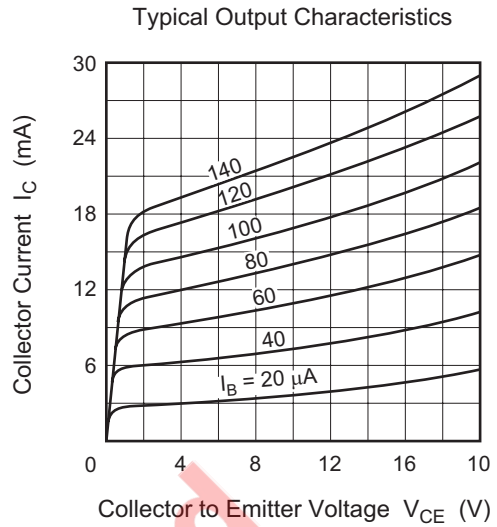
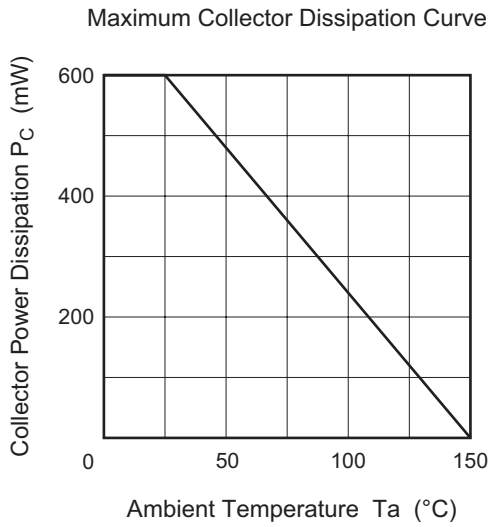
Electrical Characteristics

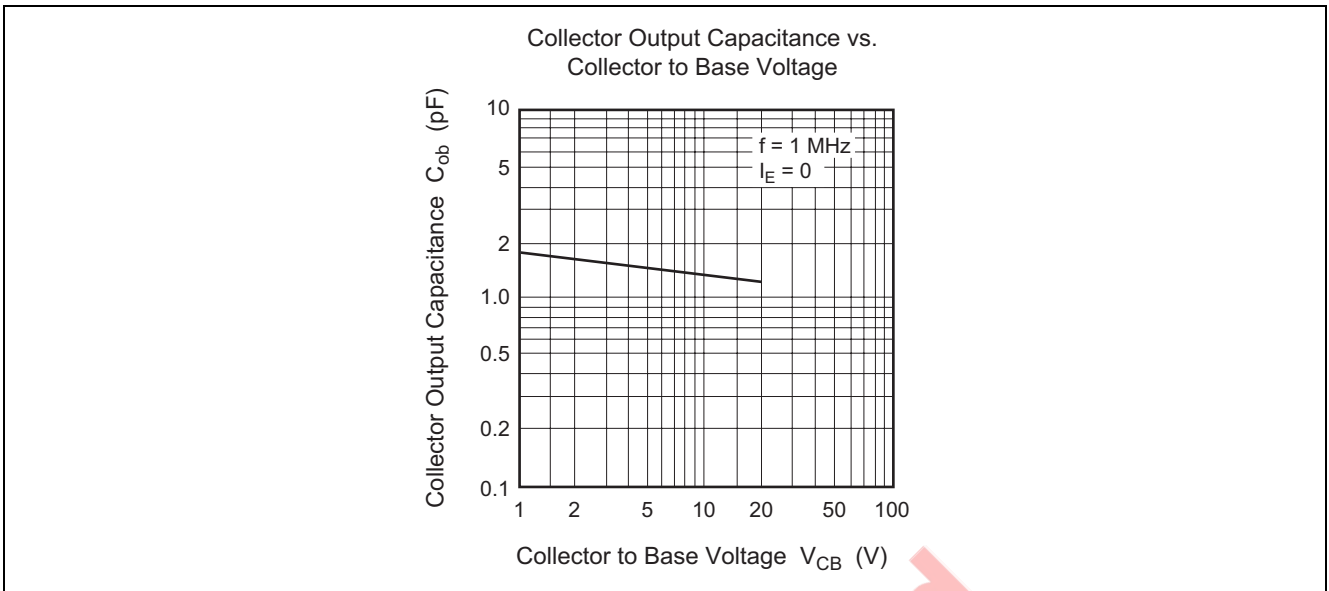
(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	30	—	—	V	$I_C = 10 \mu A, I_E = 0$
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	20	—	—	V	$I_C = 3 mA, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	3	—	—	V	$I_E = 10 \mu A, I_C = 0$
Collector cutoff current	I_{CBO}	—	—	1.0	μA	$V_{CB} = 10 V, I_E = 0$
DC current transfer ratio	h_{FE}	40	—	—		$V_{CE} = 10 V, I_C = 10 mA$
Collector to emitter saturation voltage	$V_{CE(sat)}$	—	—	1.0	V	$I_C = 20 mA, I_B = 4 mA$
Gain bandwidth product	f_T	600	1000	—	MHz	$V_{CE} = 10 V, I_C = 10 mA$
Collector output capacitance	C_{ob}	—	1.3	—	pF	$V_{CB} = 10 V, I_E = 0, f = 1 MHz$

Not recommend
for new design

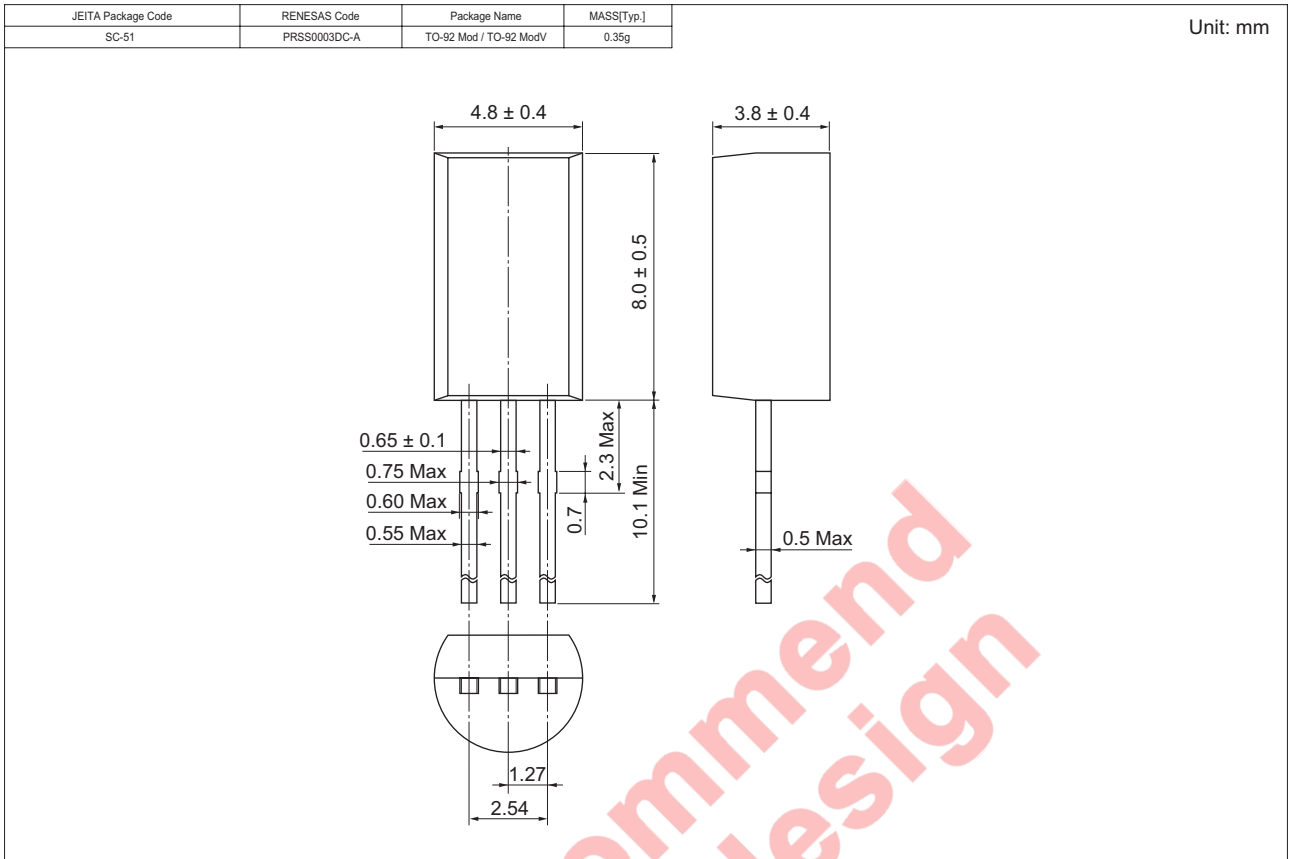
Main Characteristics





Not recommended
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Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
2SC4367TZ-E	2500	Hold Box, Radial Taping

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