

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>)

Send any inquiries to <http://www.renesas.com/inquiry>.

EOL product

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2SD2651

Silicon NPN Epitaxial
High Voltage Amplifier

REJ03G0809-0200
(Previous ADE-208-976)
Rev.2.00
Aug.10.2005

Features

- High breakdown voltage
 $V_{CEO} = -300V$ min

Outline

RENESAS Package code: PRSS0003DA-A
(Package name: TO-92 (1))



1. Emitter
2. Collector
3. Base

Absolute Maximum Ratings

($T_a = 25^\circ C$)

Item	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	300	V
Collector to emitter voltage	V_{CEO}	300	V
Emitter to base voltage	V_{EBO}	5	V
Collector current	I_C	50	mA
Collector power dissipation	P_C	750	mW
Junction temperature	T_j	150	$^\circ C$
Storage temperature	T_{stg}	-55 to +150	$^\circ C$

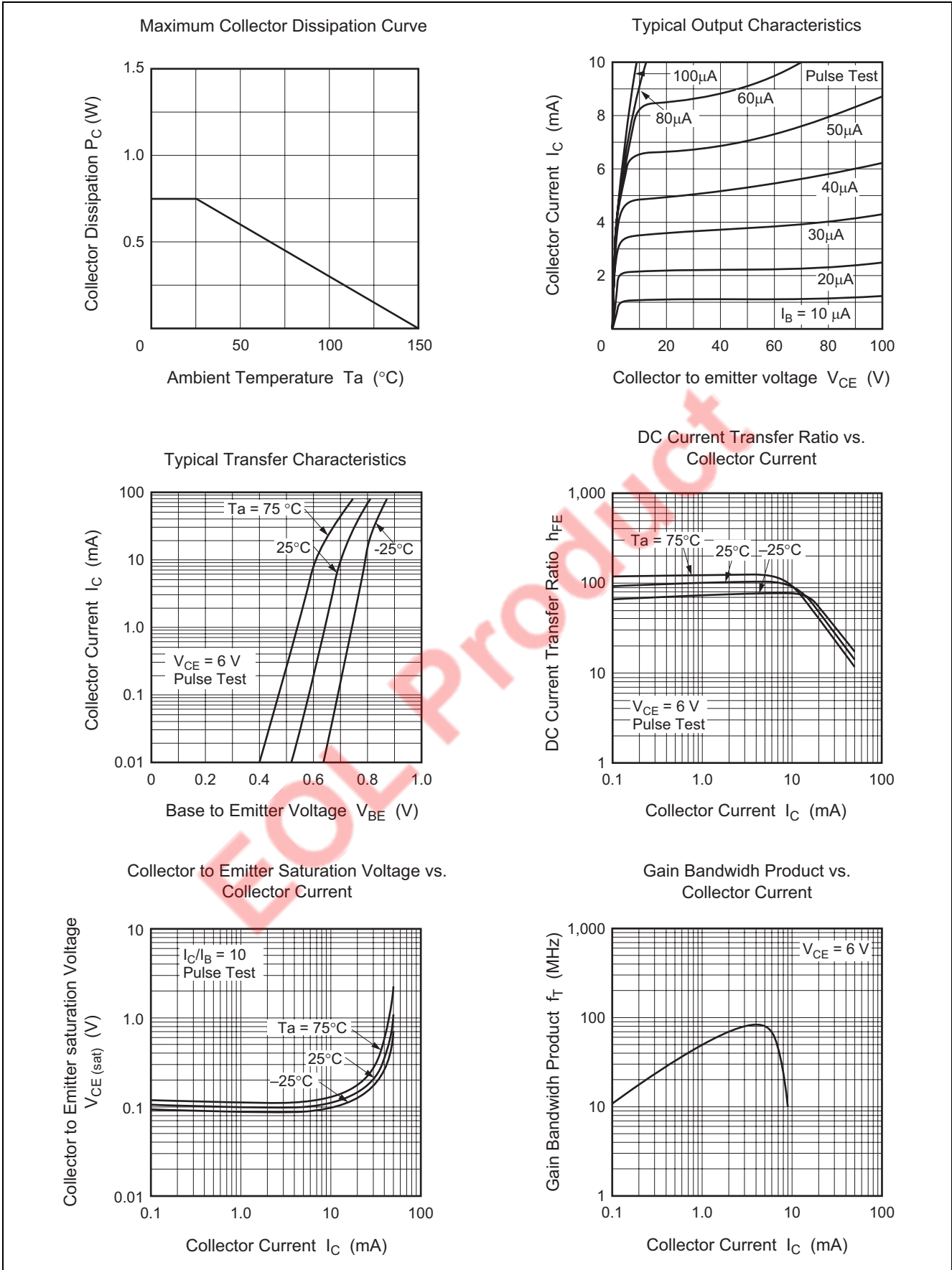
Electrical Characteristics

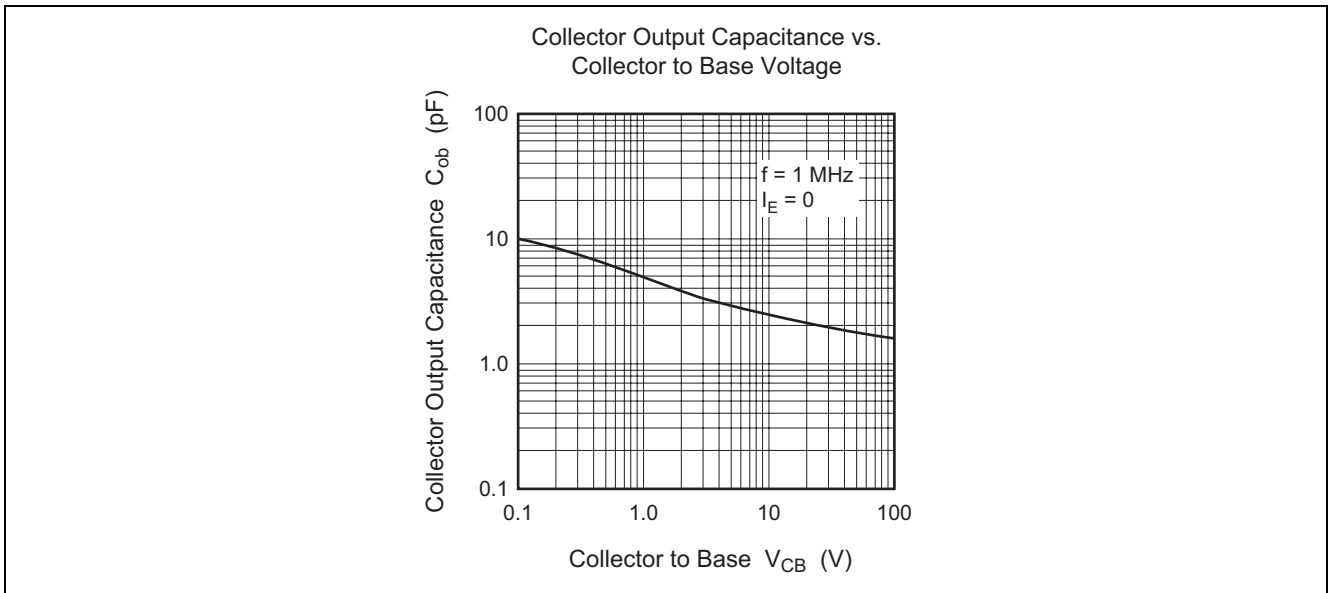
(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Conditions
Collector cutoff current	I_{CBO}	—	—	0.1	μA	$V_{CB} = 300V, I_E = 0$
	I_{CEO}	—	—	0.1	μA	$V_{CE} = 300V, R_{BE} = \infty$
Emitter cutoff current	I_{EBO}	—	—	10	μA	$V_{EB} = 5V, I_C = 0$
Base to emitter voltage	V_{BE}	—	—	0.75	V	$V_{CE} = 6V, I_C = 1mA$
DC current transfer ratio	h_{FE}	80	—	160	—	$V_{CE} = 6V, I_C = 2mA$
Collector to emitter saturation voltage	$V_{CE(sat)}$	—	—	0.5	V	$I_C = 30mA, I_B = 3mA$

EOL Product

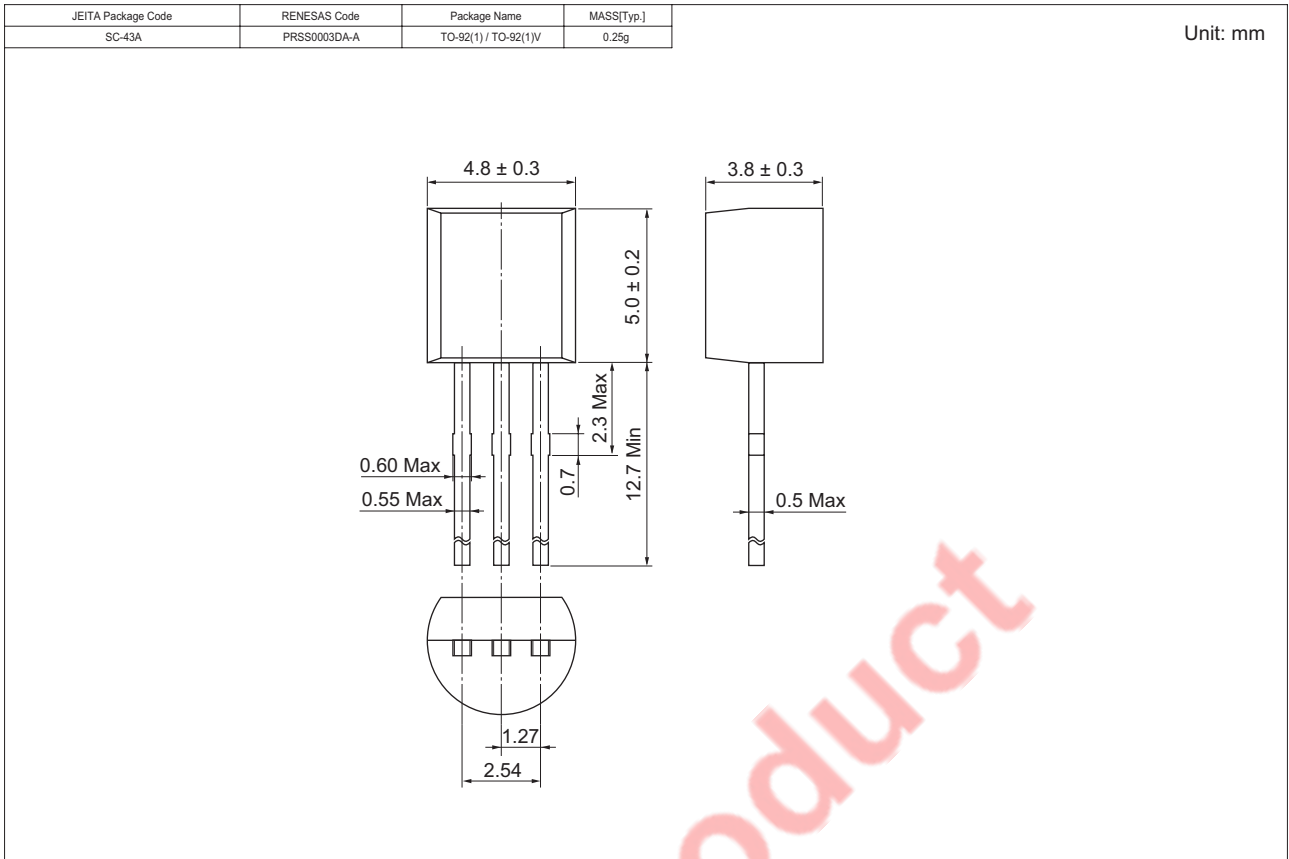
Main Characteristics





EOL Product

Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
2SD2651TZ-E	2500	Hold Box, Radial Taping

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

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