

2SD2651

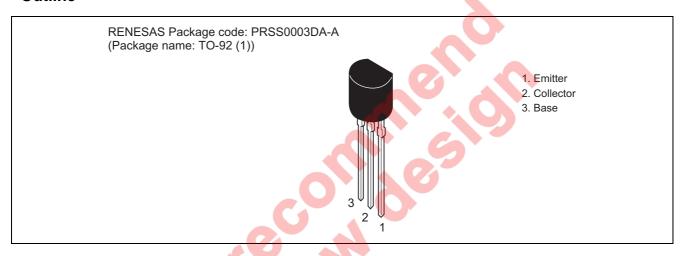
Silicon NPN Epitaxial High Voltage Amplifier

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

Features

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

Outline



Absolute Maximum Ratings

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

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	Pc	750	mW
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

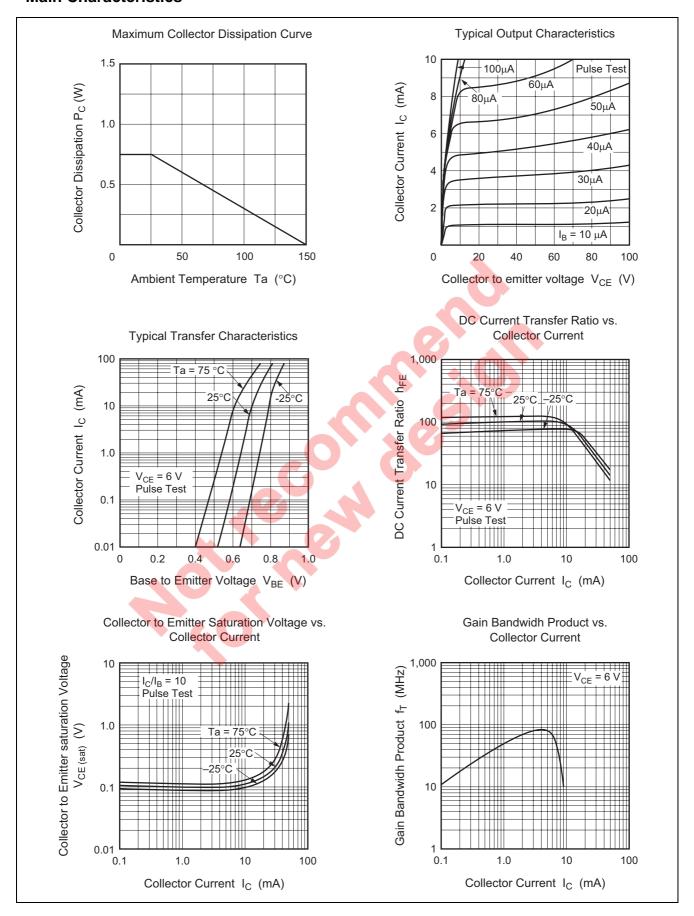
Electrical Characteristics

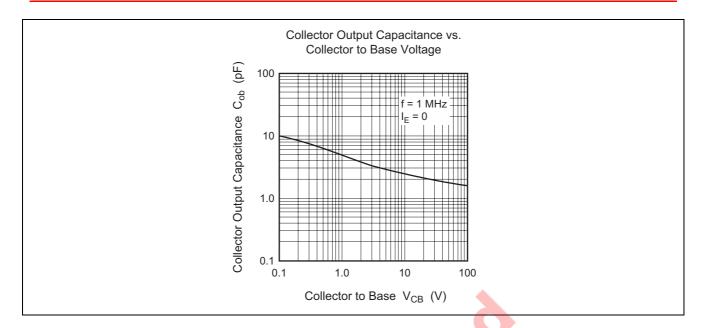
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Conditions
Collector cutoff current	I _{CBO}	_	—	0.1	μΑ	$V_{CB} = 300V, I_E = 0$
	I _{CEO}	_	_	0.1	μΑ	V _{CE} = 300V, R _{BE} = ∞
Emitter cutoff current	I _{EBO}	_	_	10	μΑ	$V_{EB} = 5 \text{ V}, I_{C} = 0$
Base to emitter voltage	V_{BE}	_	_	0.75	>	$V_{CE} = 6V$, $I_{C} = 1mA$
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	$I_C = 30\text{mA}, I_B = 3\text{mA}$



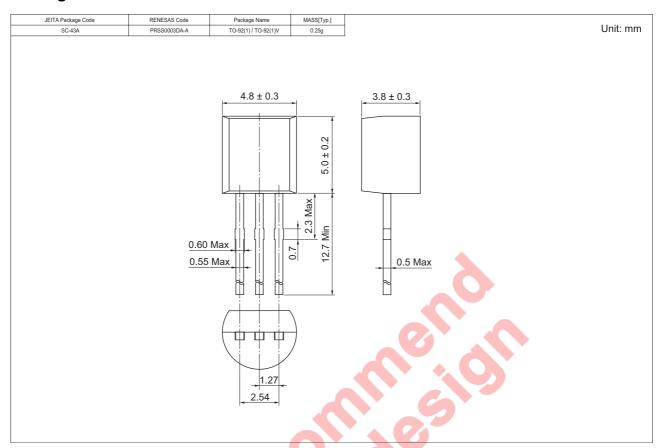
Main Characteristics







Package Dimensions



Ordering Information

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

Note: For some grades, production may be terminated. Please contact the Renesas sales office to check the state of production before ordering the product.



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