



2SD467

Silicon NPN Epitaxial

REJ03G0765-0200
(Previous ADE-208-1134)
Rev.2.00
Aug.10.2005

Application

- Low frequency power amplifier
- Complementary pair with 2SB561

Outline

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



1. Emitter
2. Collector
3. Base

Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	25	V
Collector to emitter voltage	V _{CEO}	20	V
Emitter to base voltage	V _{EBO}	5	V
Collector current	I _C	0.7	A
Collector peak current	i _{C(peak)}	1.0	A
Collector power dissipation	P _C	0.5	W
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Electrical Characteristics

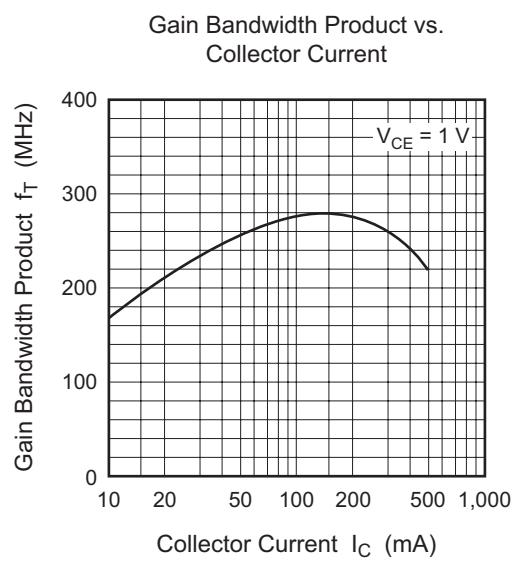
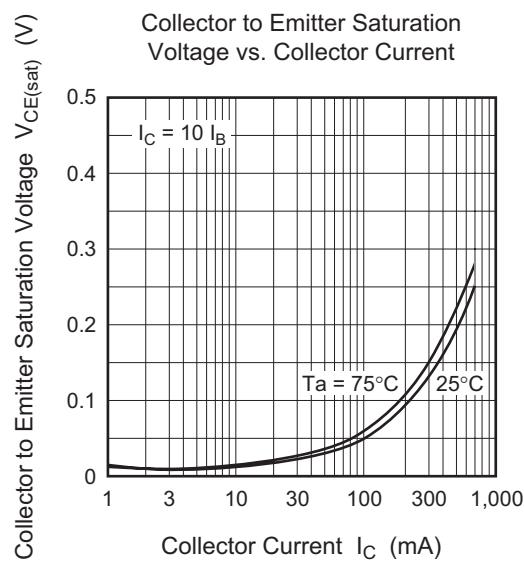
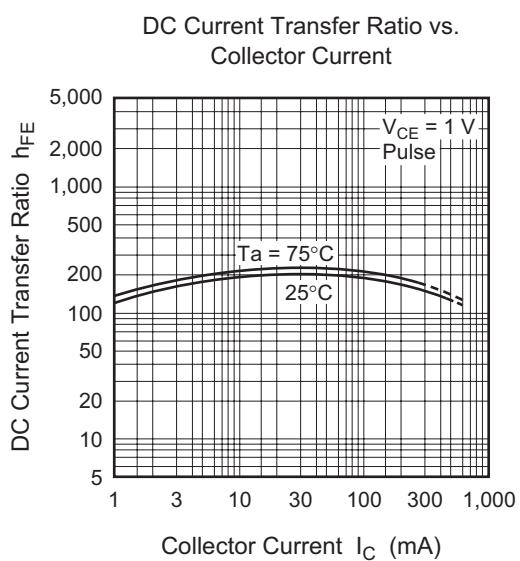
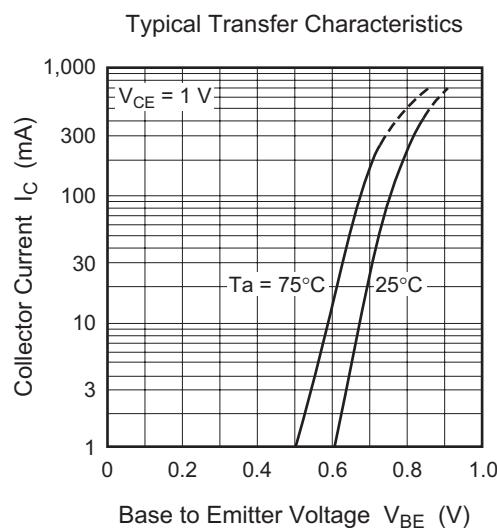
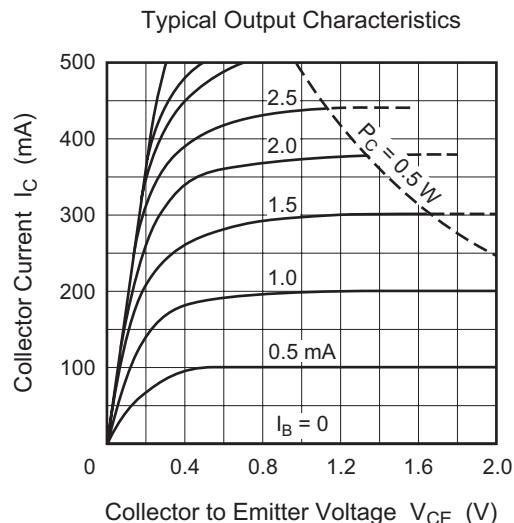
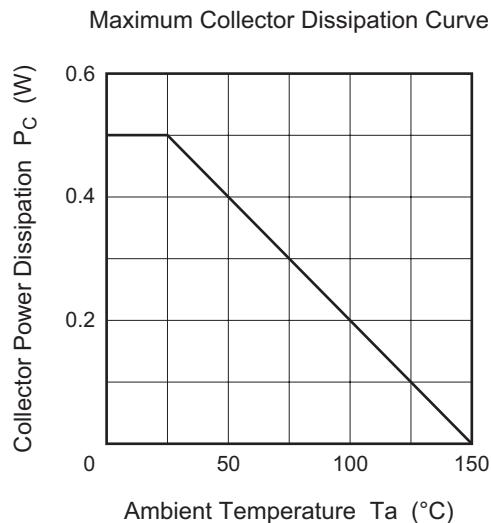
(Ta = 25°C)

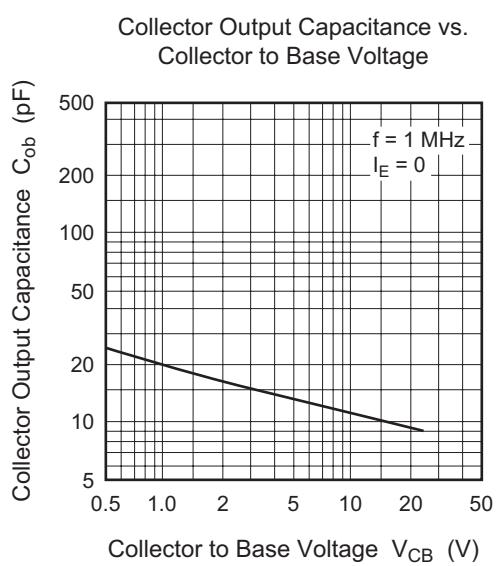
Item	Symbol	Min	Typ	Max	Unit	Test conditions
Collector to base breakdown voltage	V _{(BR)CBO}	25	—	—	V	I _C = 10 µA, I _E = 0
Collector to emitter breakdown voltage	V _{(BR)CEO}	20	—	—	V	I _C = 1 mA, R _{BE} = ∞
Emitter to base breakdown voltage	V _{(BR)EBO}	5	—	—	V	I _E = 10 µA, I _C = 0
Collector cutoff current	I _{CBO}	—	—	1.0	µA	V _{CB} = 20 V, I _E = 0
DC current transfer ratio	h _{FE} * ¹	85	—	240		V _{CE} = 1 V, I _C = 0.15 A (Pulse test)
Collector to emitter saturation voltage	V _{CE(sat)}	—	0.19	0.5	V	I _C = 0.5 A, I _B = 0.05 A (Pulse test)
Base to emitter voltage	V _{BE}	—	0.76	1.0	V	V _{CE} = 1 V, I _C = 0.15 A (Pulse test)
Gain bandwidth product	f _T	—	280	—	MHz	V _{CE} = 1 V, I _C = 0.15 A (Pulse test)
Collector output capacitance	C _{OB}	—	12	—	pF	V _{CB} = 10 V, I _E = 0, f = 1 MHz

Note: 1. The 2SD467 is grouped by h_{FE} as follows.

B	C
85 to 170	120 to 240

Main Characteristics

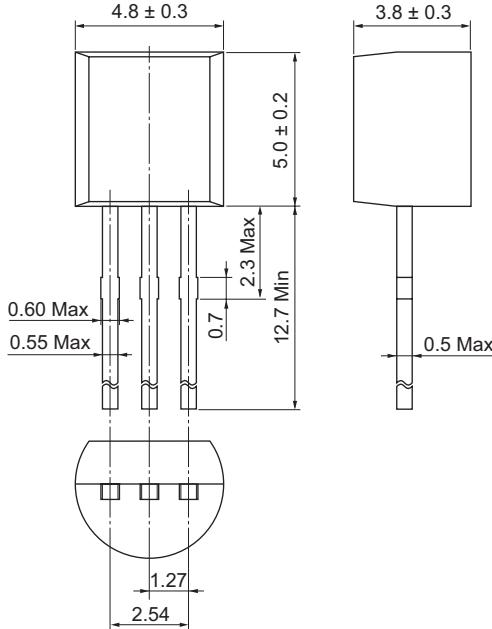




2SD467

Package Dimensions

JEITA Package Code	RENESAS Code	Package Name	MASS[Typ.]	Unit: mm
SC-43A	PRSS0003DA-A	TO-92(1) / TO-92(1)V	0.25g	



Ordering Information

Part Name	Quantity	Shipping Container
2SD467BTZ-E	2500	Hold Box, Radial Taping
2SD467CTZ-E		

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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