

2SC4367

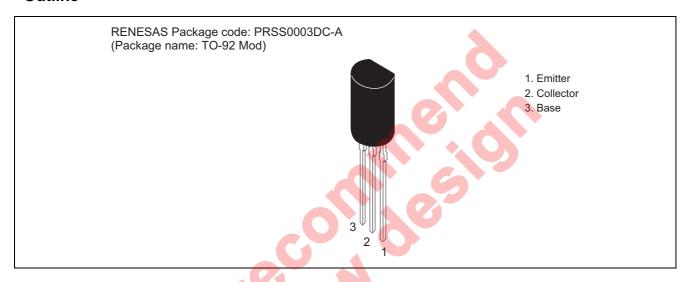
Silicon NPN Epitaxial

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

Application

High Frequency amplifier

Outline



Absolute Maximum Ratings

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

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	Ic	100	mA
Collector peak current	i _{C (peak)}	200	mA
Collector power dissipation	P _C	600	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

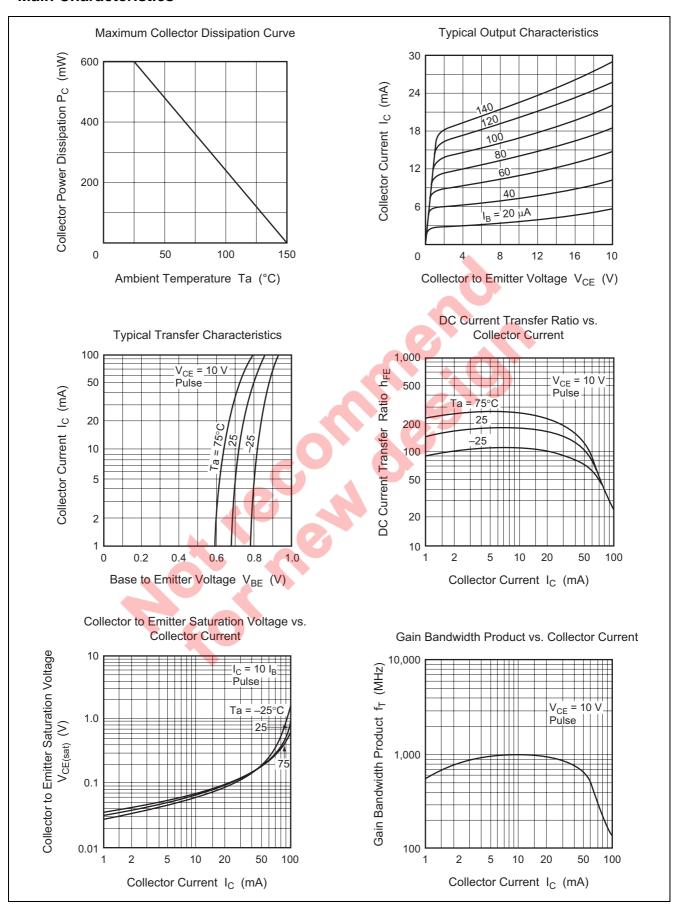
Electrical Characteristics

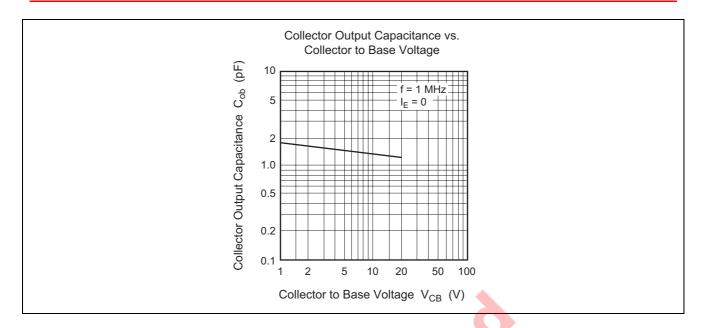
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	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	$I_C = 3 \text{ mA}, R_{BE} = \infty$
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	μΑ	$V_{CB} = 10 \text{ V}, I_{E} = 0$
DC current transfer ratio	h _{FE}	40	_	_		$V_{CE} = 10 \text{ V}, I_{C} = 10 \text{ mA}$
Collector to emitter saturation voltage	$V_{CE(sat)}$	_	_	1.0	V	$I_C = 20 \text{ mA}, I_B = 4 \text{ mA}$
Gain bandwidth product	f⊤	600	1000	_	MHz	$V_{CE} = 10 \text{ V}, I_{C} = 10 \text{ mA}$
Collector output capacitance	Cob	_	1.3	_	pF	$V_{CB} = 10 \text{ V}, I_{E} = 0, f = 1 \text{ MHz}$

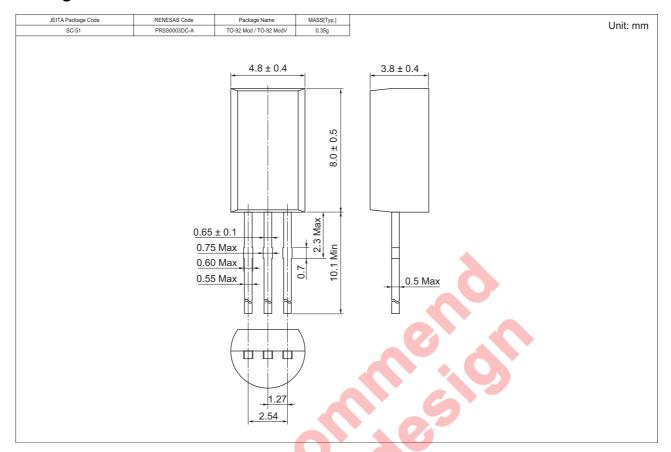


Main Characteristics





Package Dimensions



Ordering Information

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

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