

2SA673, 2SA673A

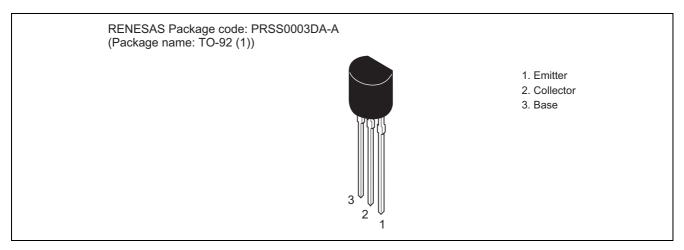
Silicon PNP Epitaxial

REJ03G0626-0200 (Previous ADE-208-125) Rev.2.00 Aug.10.2005

Application

- Low frequency amplifier
- Complementary pair with 2SC1213 and 2SC1213A

Outline



Absolute Maximum Ratings

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

Item	Symbol	2SA673	2SA673A	Unit
Collector to base voltage	V _{CBO}	-35	-50	V
Collector to emitter voltage	V _{CEO}	-35	-50	V
Emitter to base voltage	V _{EBO}	-4	-4	V
Collector current	Ic	-500	-500	mA
Collector power dissipation	Pc	400	400	mW
Junction temperature	Tj	150	150	°C
Storage temperature	Tstg	-55 to +150	-55 to +150	°C

Electrical Characteristics

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

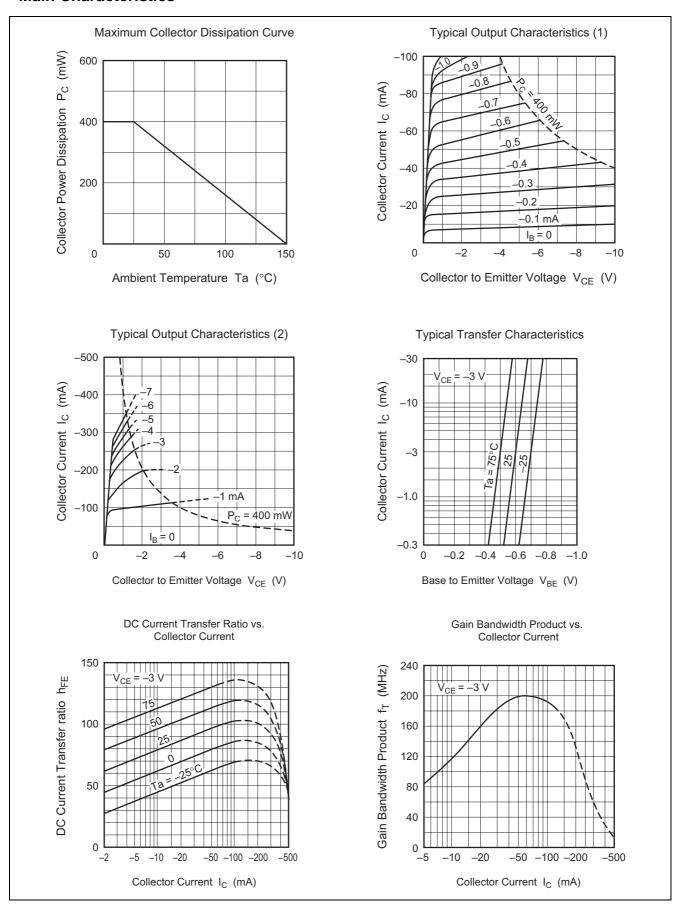
ltom	Cumbal	2SA673		2SA673A		11	Toot conditions		
Item	Symbol	Min	Тур	Max	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	V _{(BR)CBO}	- 35	_	ı	- 50	_	ı	V	$I_C = -10 \mu A, I_E = 0$
Collector to emitter breakdown voltage	V _{(BR)CEO}	-35	_	_	- 50	_	_	V	$I_C = -1$ mA, $R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	-4	_	1	-4	_	1	V	$I_E = -10 \mu A, I_C = 0$
Collector cutoff current	I _{CBO}		_	-0.5		_	-0.5	μΑ	$V_{CB} = -20 \text{ V}, I_{E} = 0$
Collector to emitter saturation voltage	V _{CE(sat)}	-	-0.2	-0.6	-	-0.2	-0.6	V	$I_C = -150 \text{ mA},$ $I_B = -15 \text{ mA*}^2$
DC current transfer ratio	h _{FE} *1	60	_	320	60	_	320		$V_{CE} = -3 \text{ V},$ $I_C = -10 \text{ mA}$
DC current transfer ratio	h _{FE}	10	_	_	10	_	_		$V_{CE} = -3 \text{ V},$ $I_{C} = -500 \text{ mA*}^{2}$
Base to emitter voltage	V_{BE}	_	-0.64	_	_	-0.64	_	V	$V_{CE} = -3 \text{ V},$ $I_{C} = -10 \text{ mA}$

Notes: 1. The 2SA673 and 2SA673A are grouped by hFE as follows.

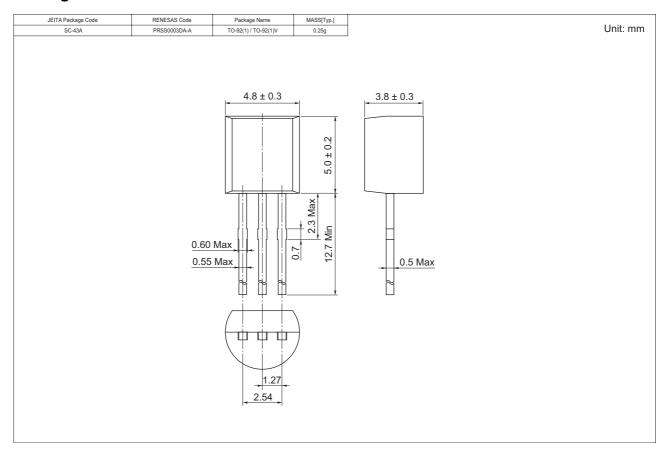
2. Pulse test

В	С	D		
60 to 120	100 to 200	160 to 320		

Main Characteristics



Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
2SA673BTZ-E	2500	Hold Box, Radial Taping
2SA673CTZ-E		
2SA673DTZ-E		
2SA673ABTZ-E		
2SA673ACTZ-E		
2SA673ADTZ-E		

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