

REJ03G0702-0200 (Previous ADE-208-1069) Rev.2.00 Aug.10.2005

Application

- Low frequency amplifier
- Complementary pair with 2SA1121

Outline

Absolute Maximum Ratings

			(Ta = 25°C)
Item	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	35	V
Collector to emitter voltage	V _{CEO}	35	V
Emitter to base voltage	V _{EBO}	4	V
Collector current	Ι _C	500	mA
Collector power dissipation	Pc	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C



Electrical Characteristics

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

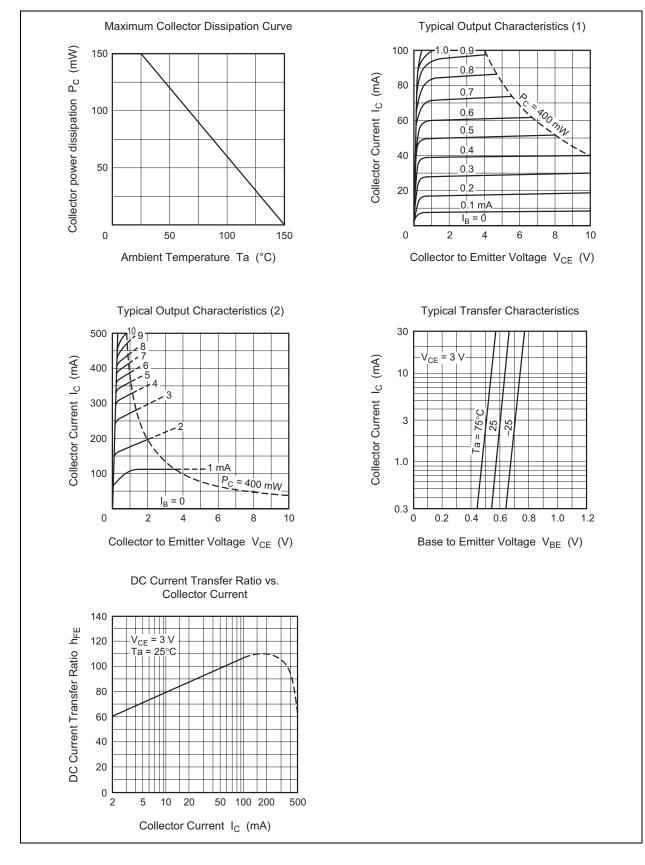
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	V _{(BR)CBO}	35	_		V	$I_{C} = 10 \ \mu A, \ I_{E} = 0$
Collector to emitter breakdown voltage	V _{(BR)CEO}	35	_		V	$I_C = 1 \text{ mA}, R_{BE} = \infty$
Emitter to base breakdown voltage	V _{(BR)EBO}	4	—	_	V	$I_E = 10 \ \mu A, \ I_C = 0$
Collector cutoff current	I _{CBO}	—	—	0.5	μΑ	$V_{CB} = 20 \text{ V}, \text{ I}_{C} = 0$
DC current transfer ratio	h _{FE1} * ¹	100	—	320		$V_{CE} = 3 V, I_C = 10 mA$ (Pulse test)
	h _{FE2}	10	—	-		$V_{CE} = 3 V, I_C = 500 mA$ (Pulse test)
Collector to emitter saturation voltage	V _{CE(sat)}	—	0.2	0.6	V	$I_{\rm C}$ = 150 mA, $I_{\rm B}$ = 15 mA (Pulse test)
Base to emitter voltage	V _{BE}	—	0.64	—	V	$V_{CE} = 3 V, I_C = 10 mA$ (Pulse test)

Note: 1. The 2SC2618 is grouped by h_{FE1} as follows.

Grade	С	D	
Mark	RC	RD	
h _{FE1}	100 to 200	160 to 320	

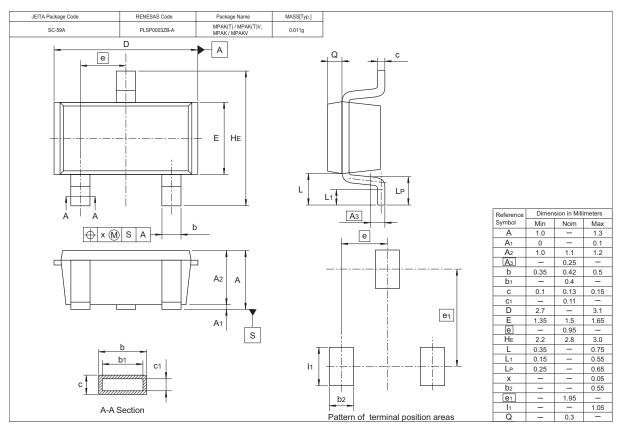


Main Characteristics





Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
2SC2618RCTL-E	3000	φ 178 mm Reel, 8 mm Emboss Taping
2SC2618RDTL-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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