

2SC2463

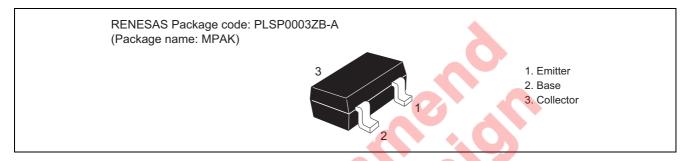
Silicon NPN Epitaxial

REJ03G0698-0200 (Previous ADE-208-1064) Rev.2.00 Aug.10.2005

Application

Low frequency amplifier

Outline



Absolute Maximum Ratings

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

Item	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	55	V
Collector to emitter voltage	$V_{\sf CEO}$	50	V
Emitter to base voltage	V_{EBO}	5	V
Collector current	Ic	100	mA
Collector power dissipation	Pc	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Electrical Characteristics

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

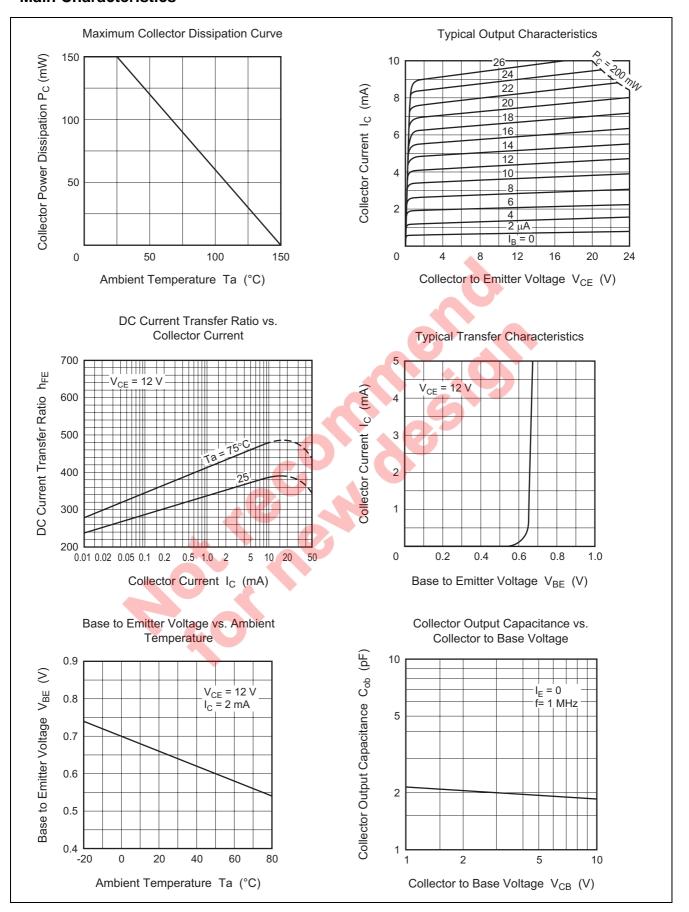
Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	55	_	_	V	$I_C = 10 \mu A, I_E = 0$
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	50	_	_	V	$I_C = 1 \text{ mA}, R_{BE} = \infty$
Emitter to base breakdown voltage	$V_{(BR)EBO}$	5	_	_	V	$I_E = 10 \mu A, I_C = 0$
Collector cutoff current	I _{CBO}	_	_	0.5	μΑ	$V_{CB} = 30 \text{ V}, I_{E} = 0$
Emitter cutoff current	I _{EBO}	_	_	0.5	μΑ	$V_{EB} = 2 \text{ V}, I_{C} = 0$
DC current transfer ratio	h _{FE} *1	250	_	800		V _{CE} = 12 V, I _C = 2 mA
Collector to emitter saturation voltage	$V_{CE(sat)}$	_	_	0.5	V	I _C = 10 mA, I _B = 1 mA
Base to emitter voltage	V_{BE}		_	0.75	V	$V_{CE} = 12 \text{ V}, I_{C} = 2 \text{ mA}$

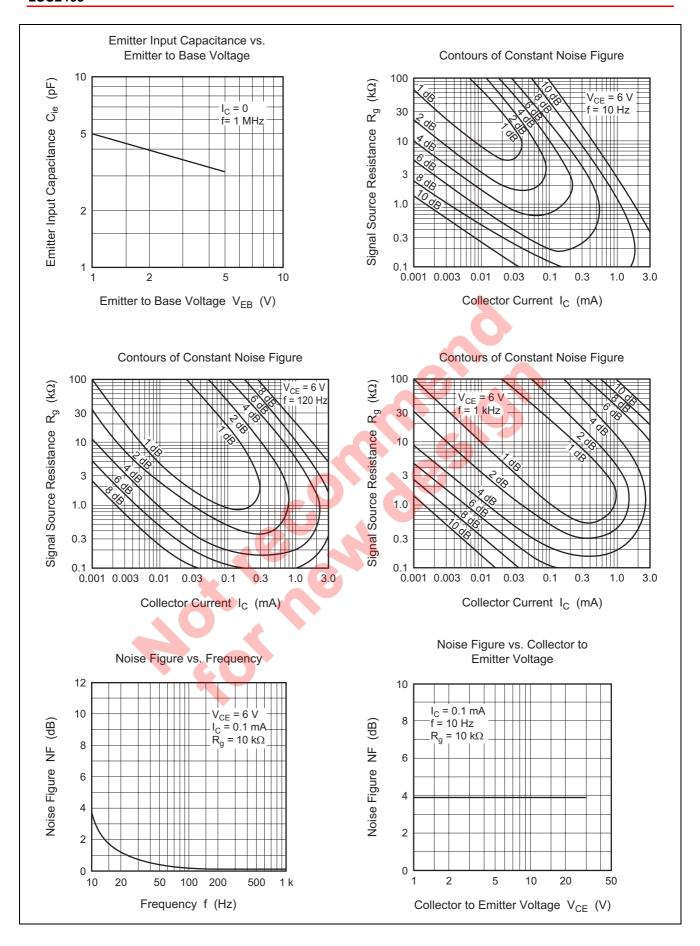
Note: 1. The 2SC2463 is grouped by hFE as follows.

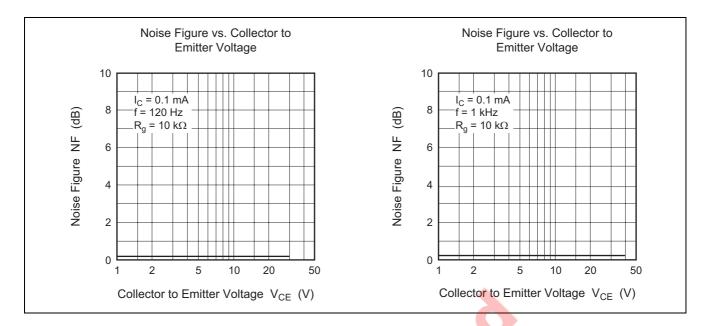
Grade	D	E
Mark	DD	DE
h _{FE}	250 to 500	400 to 800

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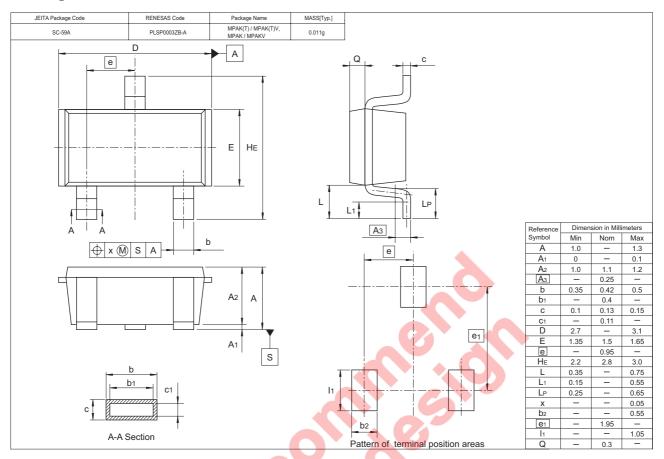
Main Characteristics







Package Dimensions



Ordering Information

Part Name	Quantity		Shipping Container
2SC2463DETL-E	3000	φ 17	78 mm Reel, 8 mm Emboss 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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