

2SC4262

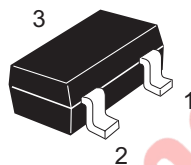
Silicon NPN Epitaxial

REJ03G0720-0300
(Previous ADE-208-1100A)
Rev.3.00
Aug.10.2005

Application

UHF / VHF Local oscillator

Outline

RENESAS Package code: PTSP0003ZA-A
(Package name: CMPAK[®])

1. Emitter
2. Base
3. Collector

Note: Marking is "IP-".

*CMPAK is a trademark of Renesas Technology Corp.

Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	20	V
Collector to emitter voltage	V _{CEO}	15	V
Emitter to base voltage	V _{EBO}	3	V
Collector current	I _C	50	mA
Collector power dissipation	P _C	100	mW
Junction temperature	T _J	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

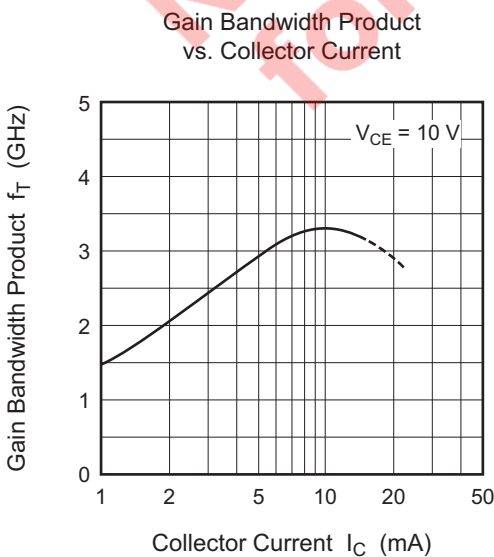
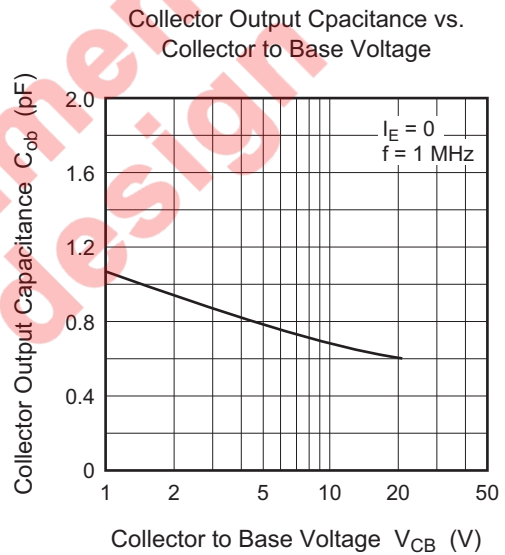
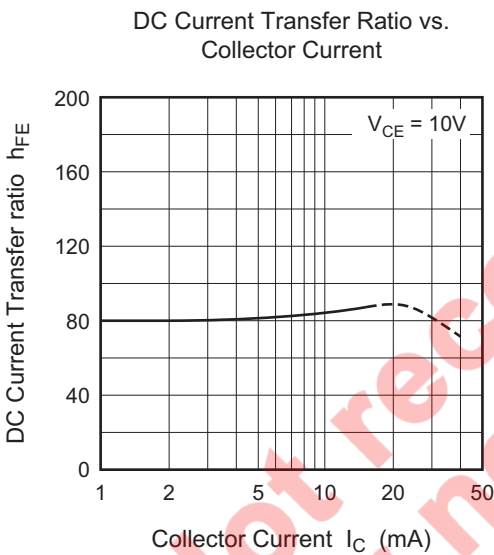
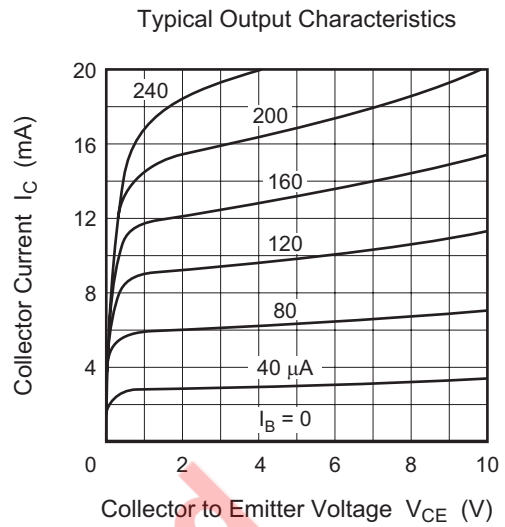
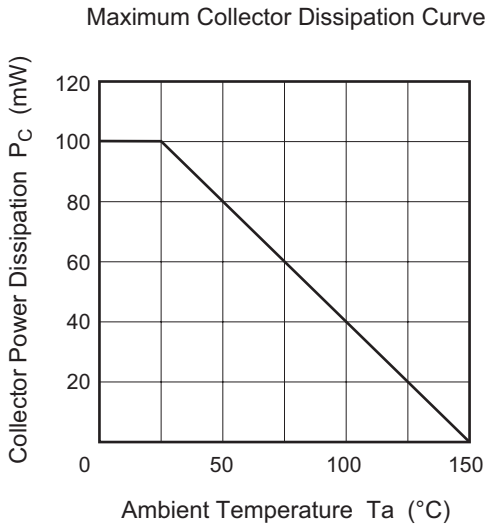
Electrical Characteristics

(Ta = 25°C)

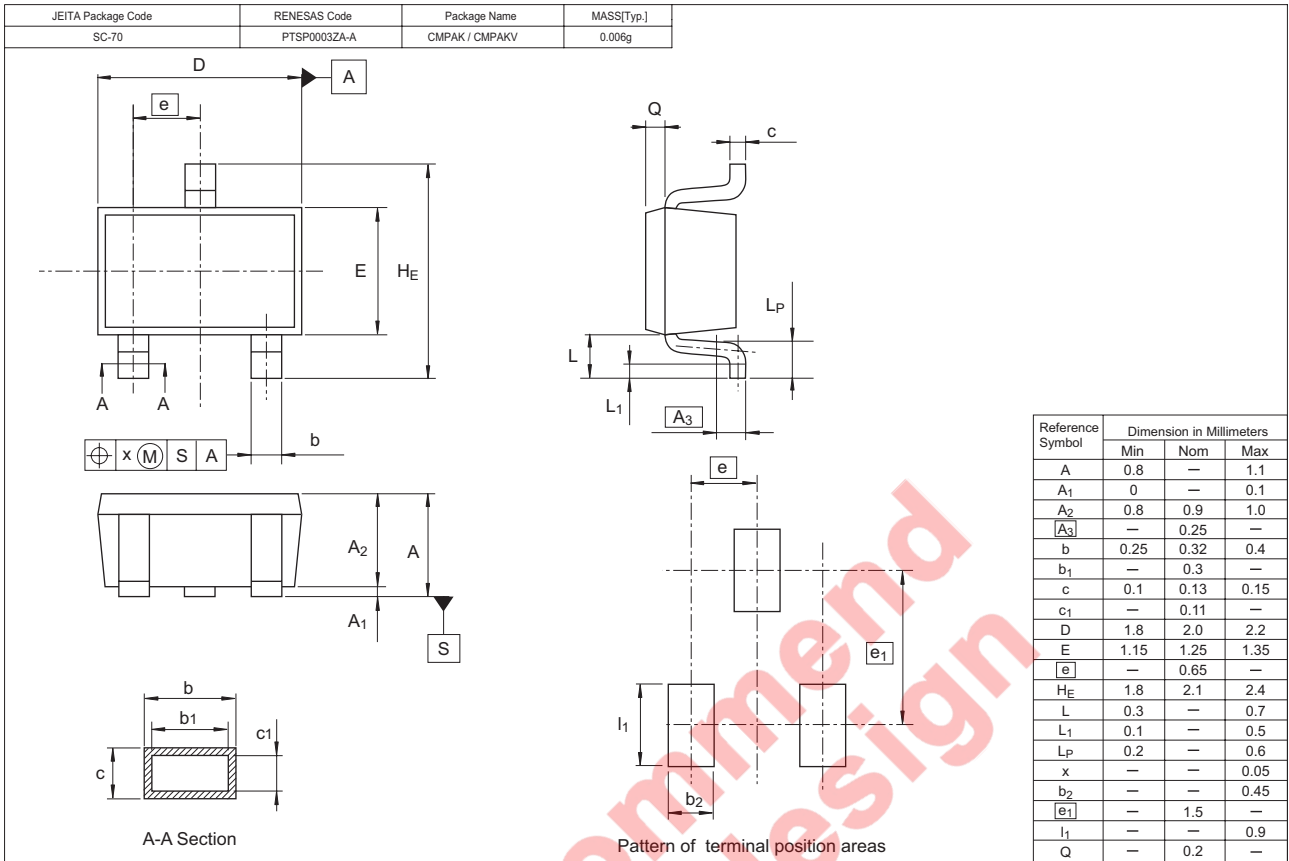
Item	Symbol	Min	Typ	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	20	—	—	V	$I_C = 10 \mu A, I_E = 0$
Collector to emitter breakdown voltage	$V_{(BR)CEO}$	15	—	—	V	$I_C = 1 \text{ mA}, R_{BE} = \infty$
Collector cutoff current	I_{CBO}	—	—	0.5	μA	$V_{CB} = 15 \text{ V}, I_E = 0$
Emitter cutoff current	I_{EBO}	—	—	1.0	μA	$V_{EB} = 3 \text{ V}, I_C = 0$
Collector to emitter saturation voltage	$V_{CE(sat)}$	—	—	0.5	V	$I_C = 20 \text{ mA}, I_B = 4 \text{ mA}$
DC current transfer ratio	h_{FE}	50	—	200		$V_{CE} = 10 \text{ V}, I_C = 5 \text{ mA}$
Collector output capacitance	C_{ob}	—	—	1.0	pF	$V_{CB} = 10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$
Gain bandwidth product	f_T	1.4	2.9	—	GHz	$V_{CE} = 10 \text{ V}, I_C = 5 \text{ mA}$

Not recommend
for new design

Main Characteristics



Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
2SC4262IP-TL-E	3000	φ 178 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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