Old Company Name in Catalogs and Other Documents

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April 1st, 2010 Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (http://www.renesas.com)

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2SC4264

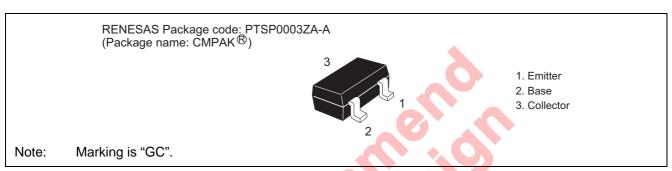
Silicon NPN Epitaxial

REJ03G0721-0300 (Previous ADE-208-1101A) Rev.3.00 Aug.10.2005

Application

VHF / UHF RF amplifier, Local oscillator, Mixer

Outline



*CMPAK is a trademark of Renesas Technology Corp.

Absolute Maximum Ratings

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

Item	Symbol	Ratings	Unit
Collector to base voltage	V_{CBO}	20	V
Collector to emitter voltage	V _{CEO}	11	V
Emitter to base voltage	V_{EBO}	3	V
Collector current	Ιc	50	mA
Collector power dissipation	Pc	100	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

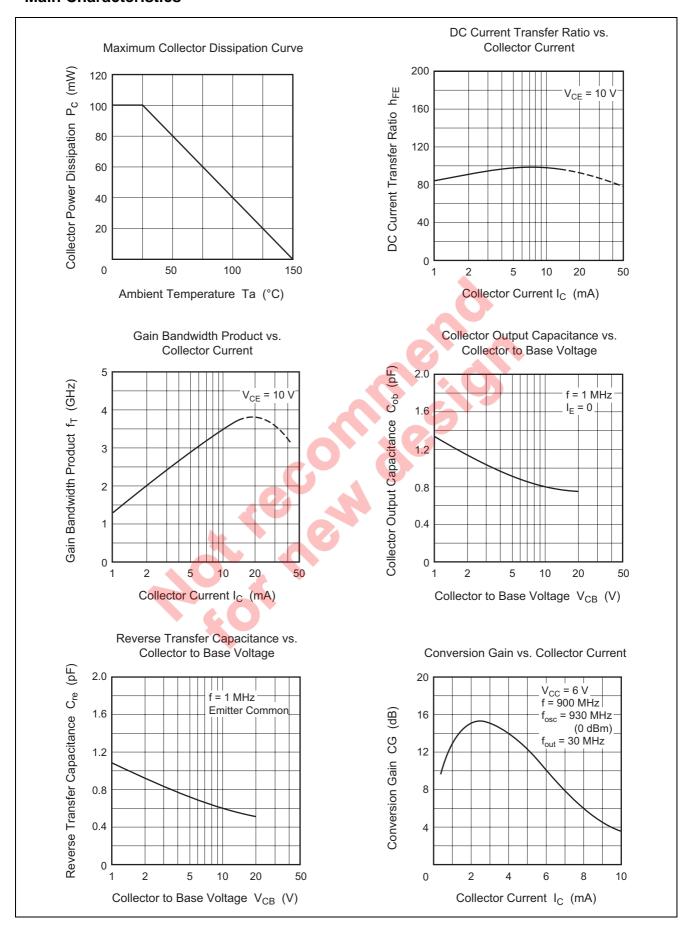
Electrical Characteristics

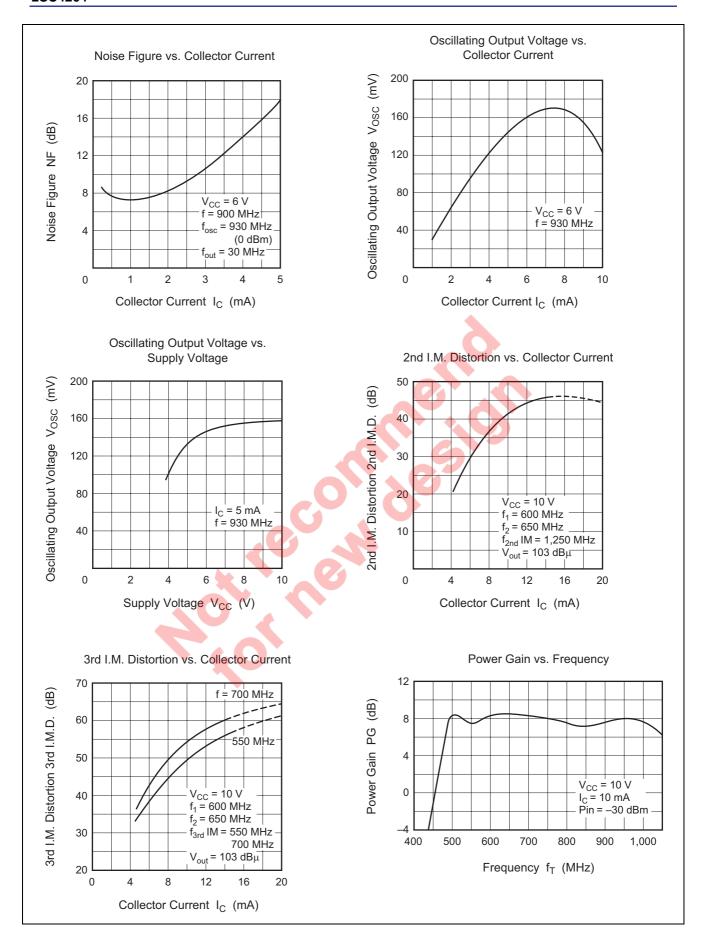
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test conditions
Collector to base breakdown voltage	$V_{(BR)CBO}$	20	_	_	V	$I_C = 10 \mu A, I_E = 0$
Collector cutoff current	I _{CBO}	_	_	0.5	μΑ	$V_{CB} = 15 \text{ V}, I_{E} = 0$
	I _{CEO}	_	_	10	μΑ	V _{CE} = 11 V, R _{BE} = ∞
Emitter cutoff current	I _{EBO}	_	_	1.0	μΑ	$V_{EB} = 3 \text{ V}, I_{C} = 0$
Collector to emitter saturation voltage	V _{CE(sat)}	_	_	0.7	V	$I_C = 10 \text{ mA}, I_B = 5 \text{ mA}$
DC current transfer ratio	h _{FE}	20	_	_		$V_{CE} = 10 \text{ V}, I_{C} = 5 \text{ mA}$
Collector output capacitance	Cob	_	_	1.5	pF	$V_{CB} = 10 \text{ V}, I_E = 0, f = 1MHz$
Gain bandwidth product	f _T	1.4	_	_	GHz	$V_{CE} = 10 \text{ V}, I_{C} = 10 \text{ mA}$

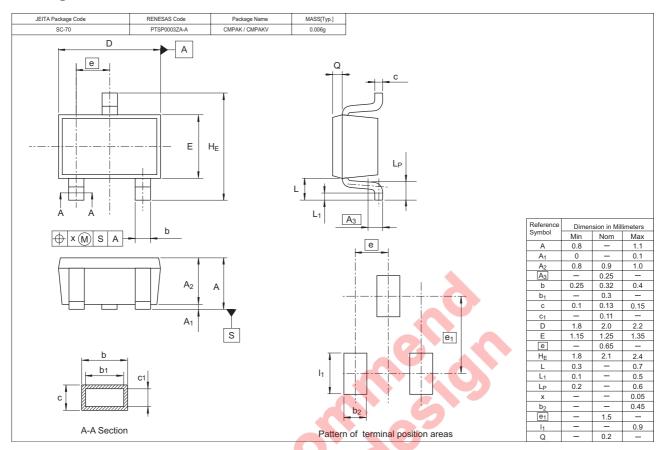


Main Characteristics





Package Dimensions



Ordering Information

Part Name	Quantity		Shipping Container
2SC4264GCTR-E	3000	φ 17	'8 mm Reel, 8 mm Emboss Taping

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Renesas Technology Europe Limited
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Renesas Technology Taiwan Co., Ltd. 10th Floor, No.99, Fushing North Road, Taipei, Taiwan Tel: <886> (2) 2715-2888, Fax: <886> (2) 2713-2999

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Renesas Technology Korea Co., Ltd.Kukje Center Bldg. 18th Fl., 191, 2-ka, Hangang-ro, Yongsan-ku, Seoul 140-702, Korea Tel: <82> 2-796-3115, Fax: <82> 2-796-2145

Renesas Technology Malaysia Sdn. Bhd.

Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jalan Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: <603> 7955-9390, Fax: <603> 7955-9510

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