捷多邦,专业PCB打样工厂,24小时加急出货



RENESAS

Silicon N-Channel MOS FET

查询2SK1215IGFTL供应商

REJ03G0813-0200 (Previous ADE-208-1176) Rev.2.00 Aug.10.2005

WWW.DZSC.CO

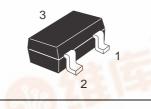
Application

VHF amplifier

Outline



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



1. Gate 2. Drain 3. Source

*CMPAK is a trademark of Renesas Technology Corp.



Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$
Item	Symbol	Ratings	Unit
Drain to source voltage	V _{DSX} *1	20	V
Gate to source voltage	V _{GSS}	±5	V
Drain current	ID	30	mA
Gate current	I _G	±1	mA
Channel power dissipation	Pch	100	mW
Channel temperature	Tch	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note: 1. $V_{GS} = -4 V$

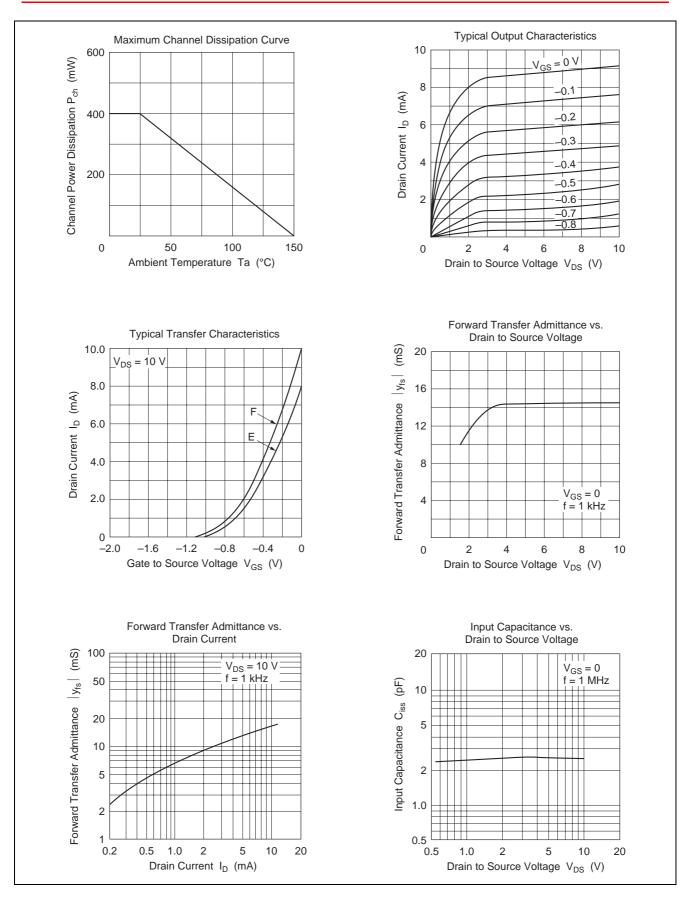
Electrical Characteristics

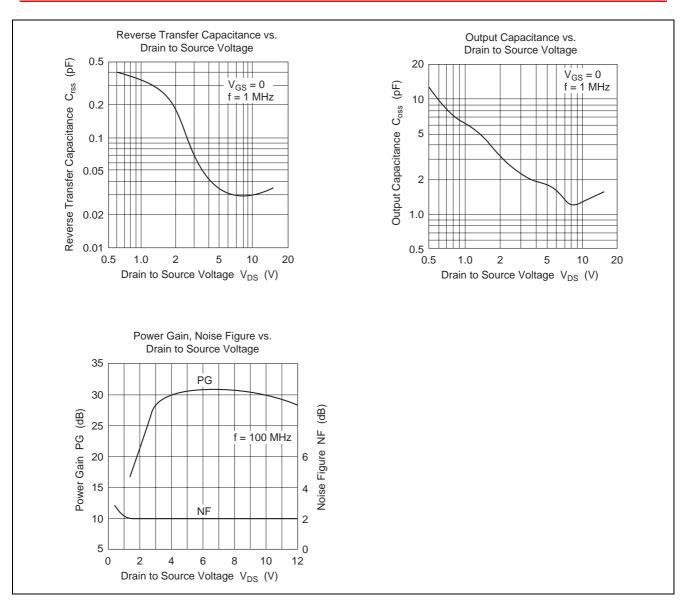
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Мах	Unit	Test conditions
Drain to source breakdown voltage	V _{(BR)DSX}	20	_	—	V	I_D = 100 µA, V_{GS} = -4 V
Gate cutoff current	I _{GSS}	—	_	±20	nA	$V_{GS} = \pm 5 V, V_{DS} = 0$
Drain current	I _{DSS} * ¹	6	_	12	mA	V _{DS} = 10 V, V _{GS} = 0
Gate to source cutoff voltage	V _{GS(off)}	0		-2.0	V	V _{DS} = 10 V, I _D = 10 μA
Forward transfer admittance	y _{fs}	8	14	—	mS	V_{DS} = 10 V, V_{GS} = 0, f = 1 kHz
Input capacitance	Ciss	—	2.5	—	pF	V_{DS} = 10 V, V_{GS} = 0, f = 1 MHz
Output capacitance	Coss	_	1.6	_	pF	
Reverse transfer capacitance	Crss	_	0.03	_	pF	
Power gain	PG	24		_	dB	$V_{DS} = 10 V, V_{GS} = 0,$
Noise figure	NF	—		3	dB	f = 100 MHz

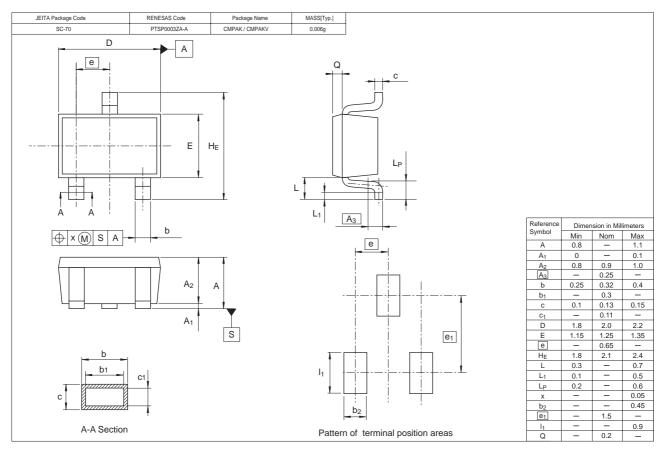
Note: 1. The 2SK1215 is grouped by I_{DSS} as follows.

Grade	E	F
Mark	IGE	IGF
I _{DSS}	6 to 10	8 to 12





Package Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
2SK1215IGETL	3000	φ 178 mm Reel, 8 mm Emboss Taping
2SK1215IGFTL	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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