

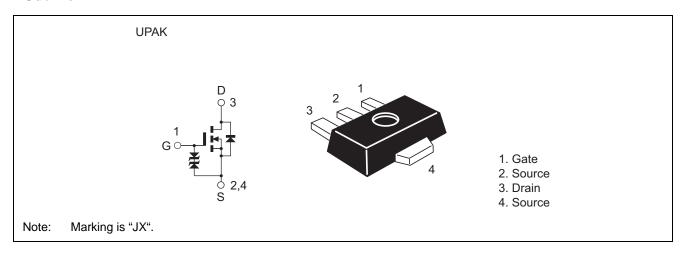
Silicon N-Channel MOS FET UHF Power Amplifier

REJ03G0209-0200Z (Previous ADE-208-847 (Z)) Rev.2.00 Apr.14.2004

Features

- High power output, High gain, High efficiency
 PG = 18 dB, Pout = 1.6 W, ηadd = 58% min. (f = 836 MHz)
- Compact package capable of surface mounting

Outline



This Device is sensitive to Electro Static Discharge. An Adequate handling procedure is requested.

Absolute Maximum Ratings

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

Item	Symbol	Ratings	Unit	
Drain to source voltage	V_{DSS}	17	V	
Gate to source voltage	V_{GSS}	±10	V	
Drain current	I _D	0.3	Α	
Drain peak current	I _{D(pulse)} Note1	0.75	Α	
Channel dissipation	Pch Note2	5	W	
Channel temperature	Tch	150	°C	
Storage temperature	Tstg	-45 to +150	°C	

Notes: 1. PW < 1sec, Tch < 150°C

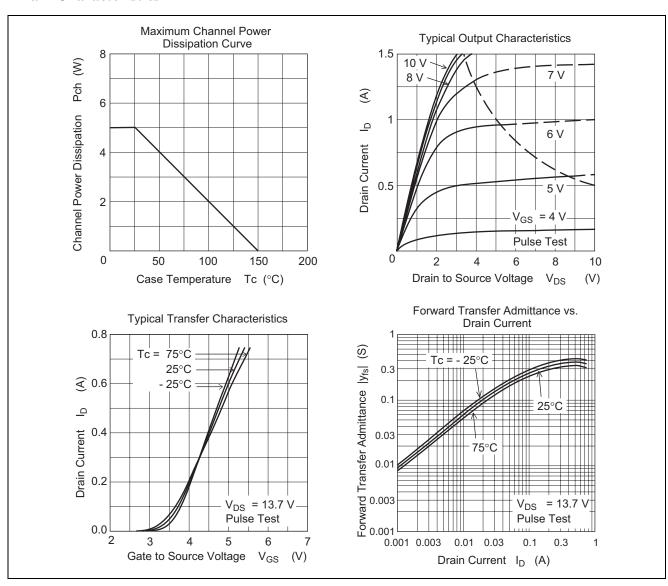
2. Value at Tc = 25°C

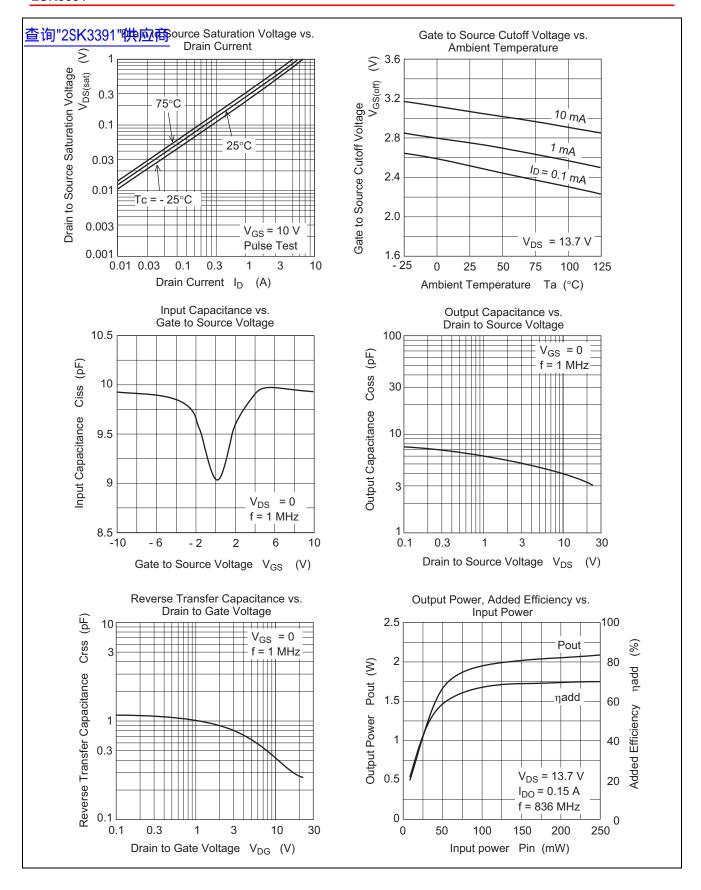
Electrical Characteristics 查询"2SK3391"供应商

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

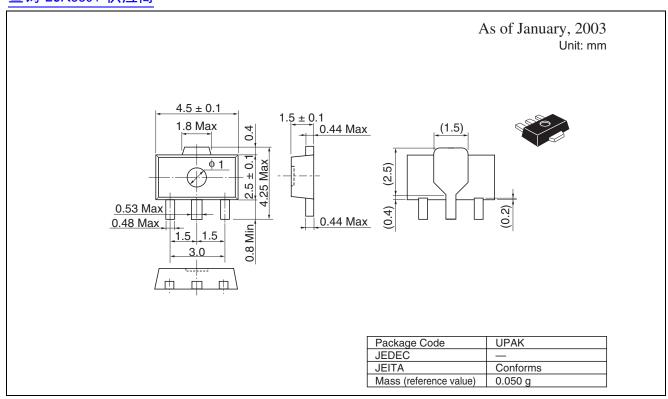
Item	Symbol	Min	Тур	Max	Unit	Test Conditions
Zero gate voltage drain	I _{DSS}	_	_	10	μΑ	$V_{DS} = 13.7 \text{ V}, V_{GS} = 0$
current						
Gate to source leak current	I _{GSS}	_	_	±5	μΑ	$V_{GS} = \pm 10 \text{ V}, V_{DS} = 0$
Gate to source cutoff voltage	$V_{GS(off)}$	2.3	_	3.1	V	$I_D = 1 \text{ mA}, V_{DS} = 13.7 \text{ V}$
Input capacitance	Ciss	_	10	_	pF	$V_{GS} = 5 \text{ V}, V_{DS} = 0, f = 1 \text{ MHz}$
Output capacitance	Coss	_	3.5	_	pF	$V_{DS} = 13.7 \text{ V}, V_{GS} = 0, f = 1 \text{ MHz}$
Output Power	Pout	1.6	_	_	W	$V_{DS} = 13.7 \text{ V}, I_{DO} = 0.15 \text{ A}$
						f = 836 MHz, Pin = 25.1 mW
Added Efficiency	ηadd	58	_	_	%	$V_{DS} = 13.7 \text{ V}, I_{DO} = 0.15 \text{ A}$
						f = 836 MHz, Pin = 25.1 mW

Main Characteristics





查爾kage3Dimensions



Ordering Information

Part Name	Quantity	Shipping Container
2SK3391JX	1000	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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