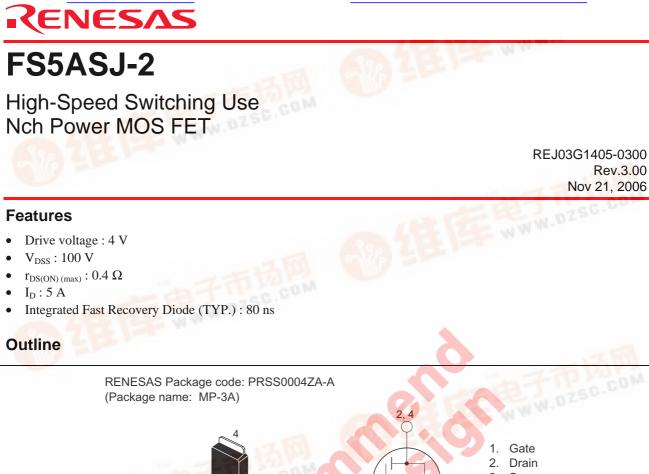
捷多邦,专业PCB打样工厂,24小时加急出货



3. Source 4

3

Drain

WWW.D

Rev.3.00

Applications

Motor control, Lamp control, Solenoid control, DC-DC converters, etc.

Maximum Ratings

查询FS5ASJ-2-T13供应商

				$(Tc = 25^{\circ}C)$
Parameter	Symbol	Ratings	Unit	Conditions
Drain-source voltage	V _{DSS}	100	V	$V_{GS} = 0 V$
Gate-source voltage	V _{GSS}	±20	V	$V_{DS} = 0 V$
Drain current	ID	5	А	WW.DZS
Drain current (Pulsed)	I _{DM}	20	А	14
Avalanche drain current (Pulsed)	I _{DA}	5	А	L = 100 μH
Source current	ls	5	А	
Source current (Pulsed)	I _{SM}	20	А	
Maximum power dissipation	PD	20	W	
Channel temperature	Tch	- 55 to +150	°C	
Storage temperature	Tstg	- 55 to +150	°C	
Mass	_	0.32	g	Typical value

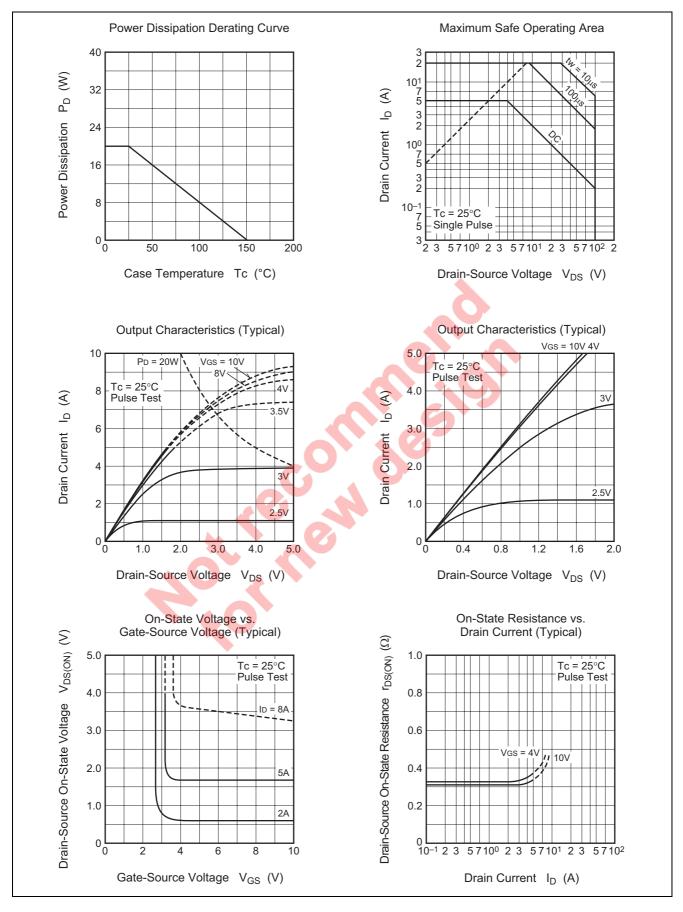


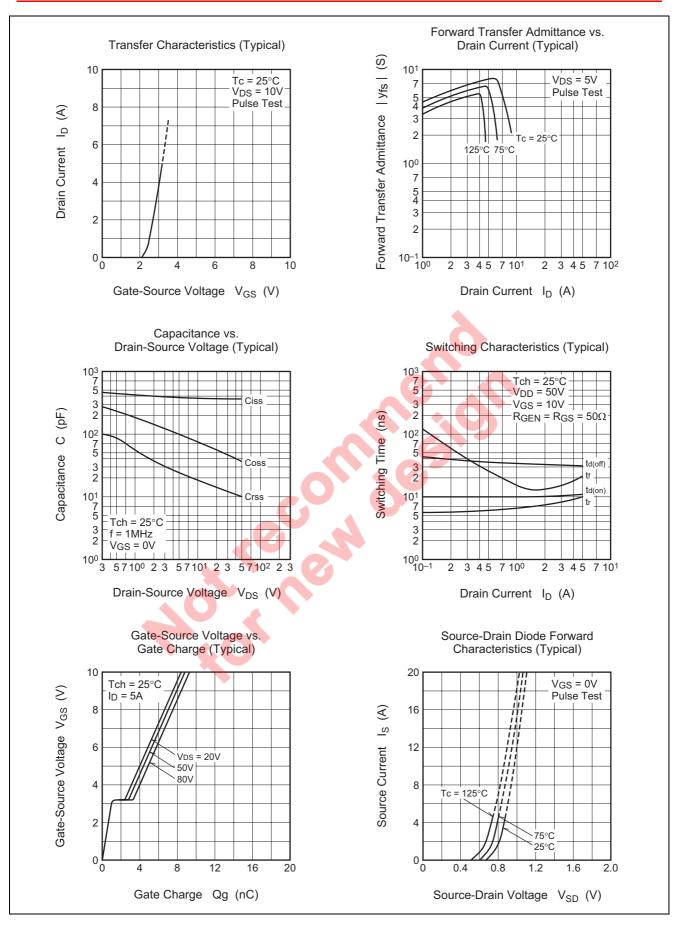
Electrical Characteristics

						$(Tch = 25^{\circ}C)$	
Parameter	Symbol	Min	Тур	Max	Unit	Test Conditions	
Drain-source breakdown voltage	V _{(BR)DSS}	100	_	—	V	$I_{D} = 1 \text{ mA}, V_{GS} = 0 \text{ V}$	
Gate-source leakage current	I _{GSS}	_	_	±0.1	μΑ	$V_{GS}=\pm 20~V,~V_{DS}=0~V$	
Drain-source leakage current	I _{DSS}	_	_	0.1	mA	$V_{DS} = 100 \text{ V}, \text{ V}_{GS} = 0 \text{ V}$	
Gate-source threshold voltage	V _{GS(th)}	1.0	1.5	2.0	V	$I_D = 1 \text{ mA}, V_{DS} = 10 \text{ V}$	
Drain-source on-state resistance	r _{DS(ON)}	_	0.31	0.40	Ω	$I_D = 2 \text{ A}, V_{GS} = 10 \text{ V}$	
Drain-source on-state resistance	r _{DS(ON)}	_	0.34	0.46	Ω	$I_D = 2 \text{ A}, V_{GS} = 4 \text{ V}$	
Drain-source on-state voltage	V _{DS(ON)}	_	0.62	0.8	V	$I_D = 2 \text{ A}, V_{GS} = 10 \text{ V}$	
Forward transfer admittance	y _{fs}	_	6	—	S	$I_D = 2 \text{ A}, V_{DS} = 5 \text{ V}$	
Input capacitance	Ciss	_	360	—	pF	$V_{DS} = 10 \text{ V}, V_{GS} = 0 \text{ V},$	
Output capacitance	Coss		75	—	pF	f = 1MHz	
Reverse transfer capacitance	Crss		20	—	pF		
Turn-on delay time	t _{d(on)}	_	10	—	ns	$V_{DD} = 50 \text{ V}, I_D = 2 \text{ A},$	
Rise time	tr	_	7	—	ns	$V_{GS} = 10 V,$	
Turn-off delay time	t _{d(off)}	_	35		ns	$R_{GEN} = R_{GS} = 50 \ \Omega$	
Fall time	t _f	_	15	—	ns		
Source-drain voltage	V _{SD}	_	1.0	1.5	V	I _S = 2 A, V _{GS} = 0 V	
Thermal resistance	R _{th(ch-c)}	—	—	6.25	°C/W	Channel to case	
Reverse recovery time	t _{rr}	_	80		ns	I _S = 5 A, d _{is} / _{dt} = −100 A/μs	

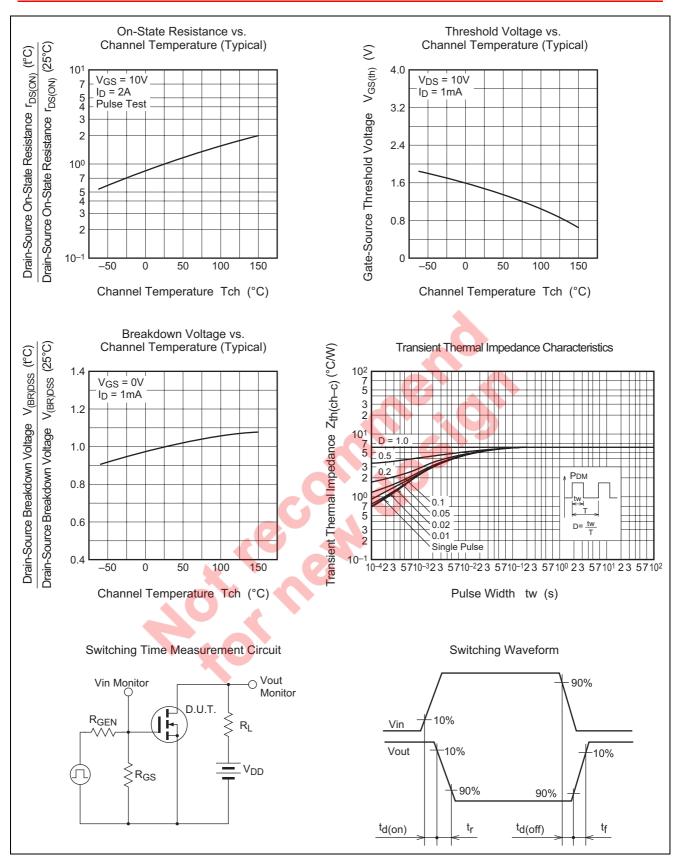
FS5ASJ-2

Performance Curves





FS5ASJ-2



Package Dimensions

MP-3A SC-63	PRSS0004ZA-A		MASS[Typ.]	
	11100000123171	—	0.32g	Unit: mm
		$\begin{array}{c} 6.6 \\ 3 \pm 0.2 \\ \hline \\ 0.7 \\ \hline \\ 0.76 \\ \hline \hline \\ 0.76 \\ \hline \\ 0.76 \\ \hline \hline \\ 0.76 \\ \hline \hline \\ 0.76 \\ \hline \hline 0.76 \\ \hline 0.76$	2.3 0.5 ± 0.2 0.1 ± 0.1 0.1 ± 0.1 0.1 ± 0.1 0.1 ± 0.1	
Drder Code	6	CO	96	

Order Code

Lead form	Standard packing	Quantity	Standard order code	Standard order code example
Surface-mounted type	Taping	300	Type name – T +Direction (1 or 2) +3	FS5ASJ-2-T13
Surface-mounted type	Plastic Magazine (Tube)	7!	5 Type name	FS5ASJ-2

Note : Please confirm the specification about the shipping in detail.

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