

FX30ASJ-03

High-Speed Switching Use Pch Power MOS FET

REJ03G1445-0200 (Previous: MEJ02G0266-0101)

Rev.2.00

Aug 07, 2006

Features

• Drive voltage: 4 V

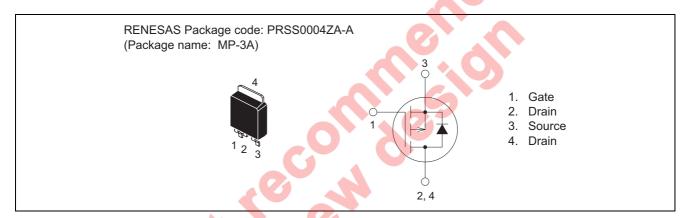
• V_{DSS} : -30 V

• $r_{DS(ON) (max)}$: 61 m Ω

• $I_D: -30 A$

• Integrated Fast Recovery Diode (TYP.): 50 ns

Outline



Applications

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

Maximum Ratings

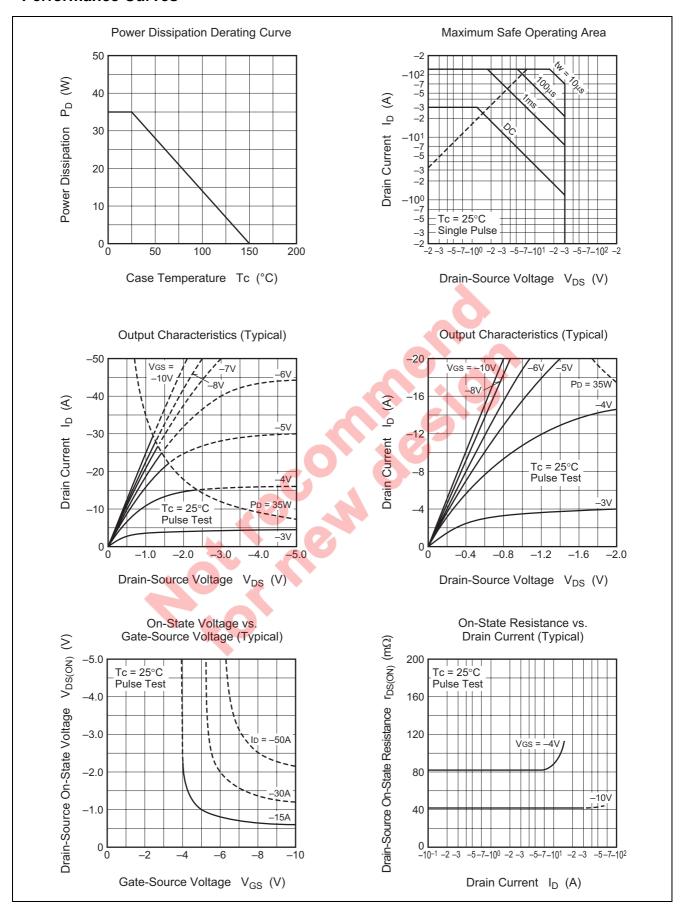
 $(Tc = 25^{\circ}C)$

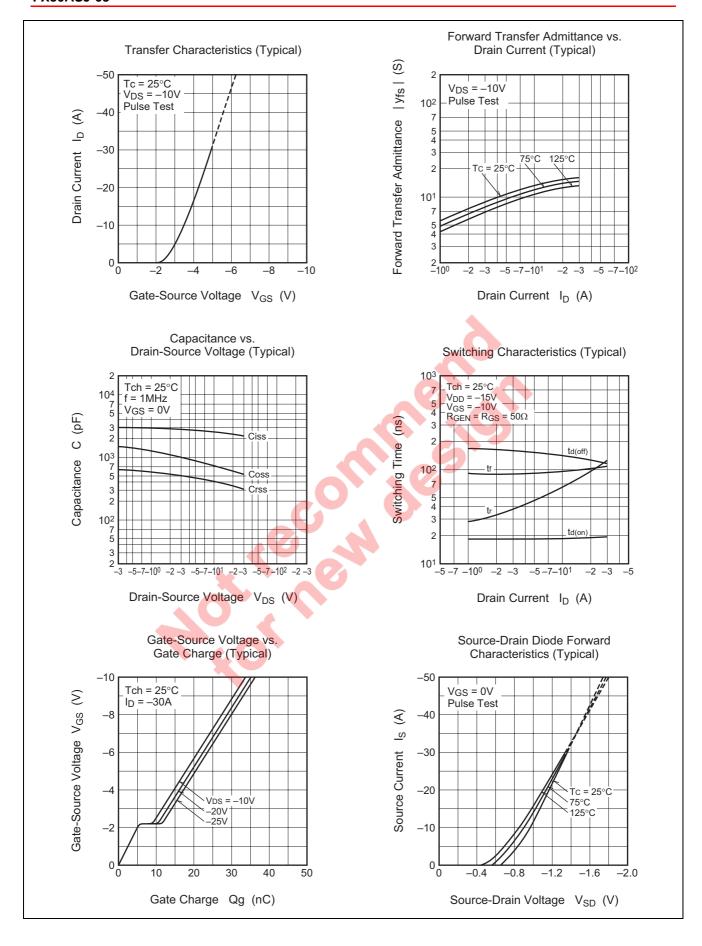
Parameter	Symbol	Ratings	Unit	Conditions
Drain-source voltage	V_{DSS}	-30	V	$V_{GS} = 0 V$
Gate-source voltage	V_{GSS}	±20	V	$V_{DS} = 0 V$
Drain current	I _D	-30	Α	
Drain current (Pulsed)	I _{DM}	-120	Α	
Avalanche drain current (Pulsed)	I _{DA}	-30	Α	L = 10 μH
Source current	Is	-30	Α	
Source current (Pulsed)	I _{SM}	-120	Α	
Maximum power dissipation	P_D	35	W	
Channel temperature	Tch	- 55 to +150	°C	
Storage temperature	Tstg	- 55 to +150	°C	
Mass	-	0.32	g	Typical value

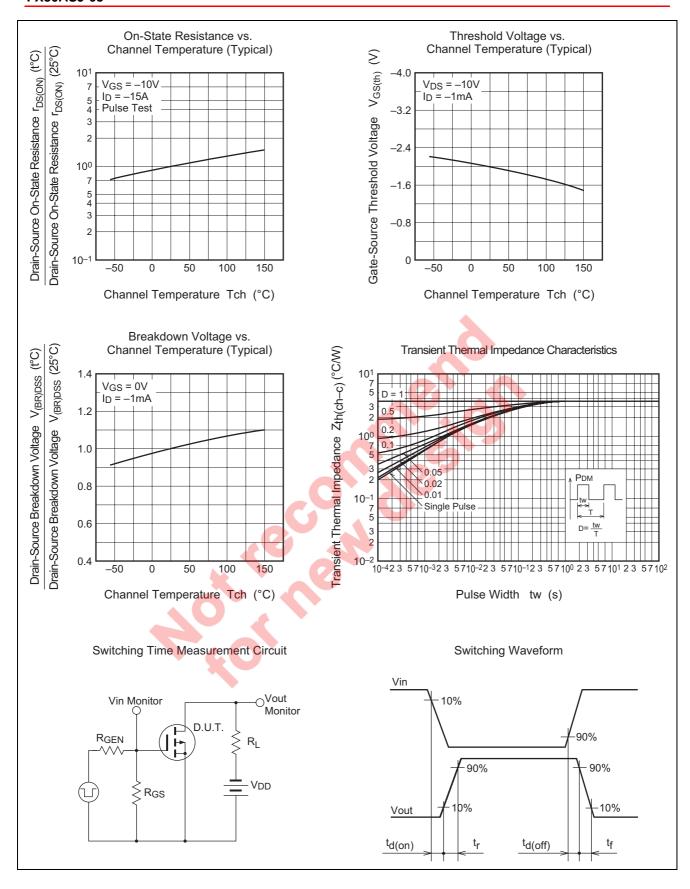
Electrical Characteristics

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

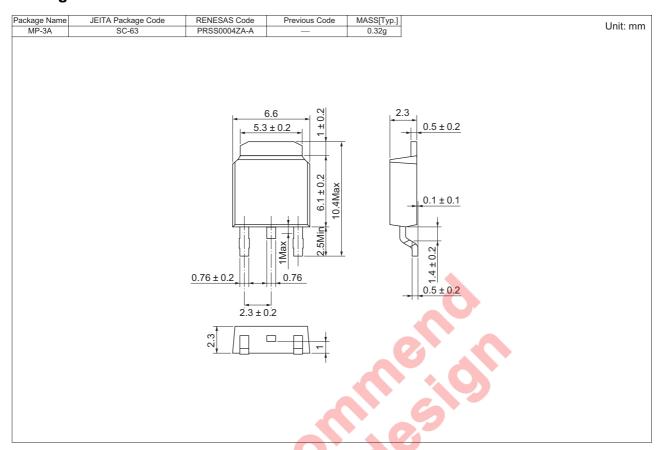
Performance Curves







Package Dimensions



Order Code

Lead form	Standard packing	Qua	antity	Standard order code	Standard order code example
Surface-mounted type	Taping	5	3000	Type name – T +Direction (1 or 2) +3	FX30ASJ-03-T13
Surface-mounted type	Plastic Magazine (Tube)		75	Type name	FX30ASJ-03

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

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