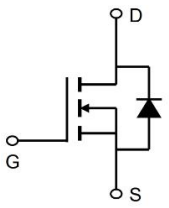
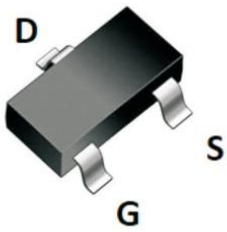
	4A
	30V
	55mΩ





The YFW3402B uses advanced trench technology to provide excellent RDS(ON),low gate charge and operation with gate voltage as low as 2.5V. This device is suitable for use as load switch or in PWM.

⧫Features
⧫Lead free product is acquired
⧫Surface mount package

⧫Case: SOT-23
⧫Epoxy UL: 94V-0.
⧫Mounting Position: Any.

Ratings at 25 ambient temperature unless otherwise specified.

Drain-Source Voltage		30	
Gate - Source Voltage		± 12	
Continuous Drain Current		4	
Drain Current-Pulsed(note 1)		15	
Operating and Storage Temperature Range		-50 to +150	
Thermal Resistance From Junction to Ambient (note 2)		357	

Ratings at 25 ambient temperature unless otherwise specified

Drain-Source Breakdown Voltage	V_{GS}=0V, I_D=250uA	30	-	-
Zero Gate Voltage Drain Current	V_{DS}=24V , V_{GS}=0V	-	-	1.0
Gate to Body Leakage Current	V_{GS}=±12V, V_{DS}=0V	-	-	100
Gate -Threshold Voltage	V_{DS}=V_{GS}, I_D=250uA	0.6	0.85	1.4
Static Drain-Source on-Resistance (note3)	V_{GS}=10V, I_D=4A	-	33	55
	V_{GS}=4.5V, I_D=3A	-	39	70
	V_{GS}=2.5V, I_D=2A	-	48	110
Forward trans conductance	VDS=15V, ID=4A	-	8	-
Input Capacitance	V_{DS}=15V	-	390	-
Output Capacitance	V_{GS}=0V	-	54.5	-
Reverse Transfer Capacitance	f=1.0MHz	-	41	-
Gate resistance	VDS=0V, VGS=0V,f=1MHz	-	3	-
Turn-on Time	VGS=10V	-	3.3	-
Rise time	RL=3.75Ω	-	1.0	-
Turn-off Time	VDS=15V RGEN=6Ω	t=1 n n	3. n	1.0 R n catF