



YX3400J N-Channel 30V(D-S) MOSFET

BVDSS	ID	RDS(on)Typ
30V	5.8A	18mΩ @10V
		21mΩ @4.5V

FEATURE

High power and current handing capability

Lead free product is acquired

Surface mount package

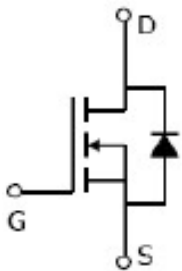
APPLICATION

PWM applications

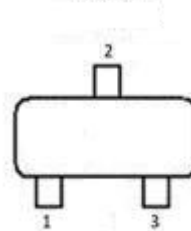
Load switch

Power management

Equivalent Circuit



Pin Assignment



SOT23 : 1.G 2.D 3.S

**Absolute Maximum Ratings (Ta=25°C unless otherwise noted)**

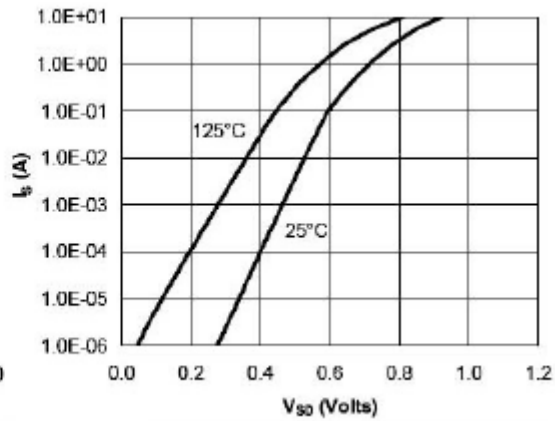
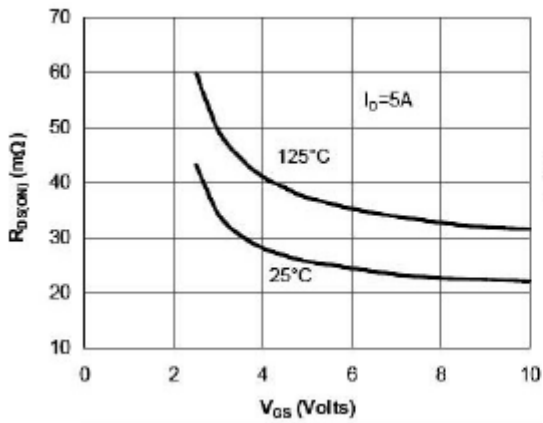
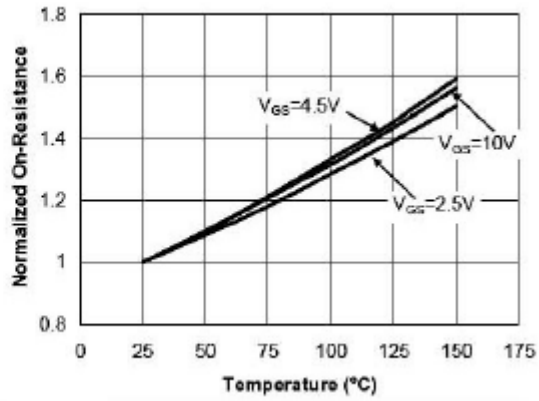
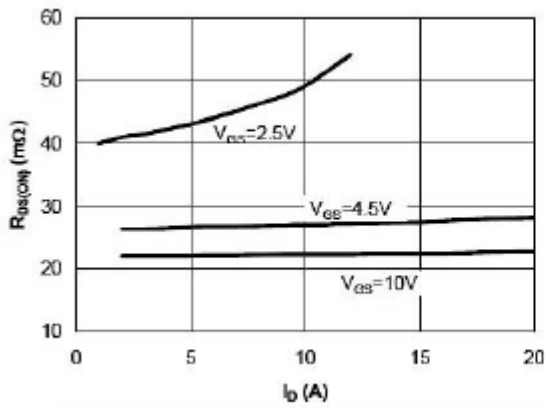
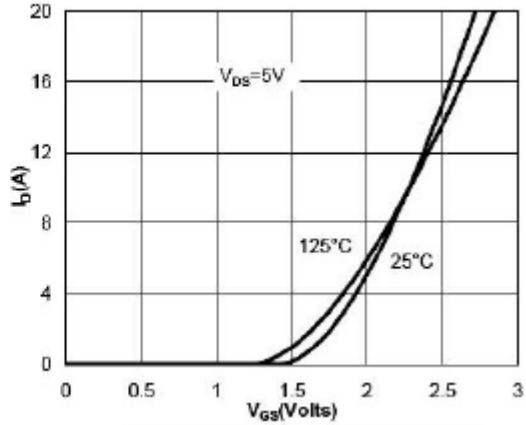
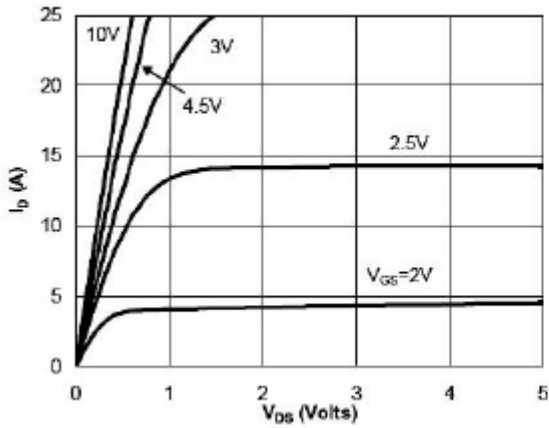
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	VDS	30	V
Gate-Source Voltage	VGS	±12	V
Drain Current	ID	5.8	A
Operating Temperature	Topr	-55~+150	°C
Storage Temperature	Tstg	-55~+150	°C
Power Dissipation	Pd	1.4	W

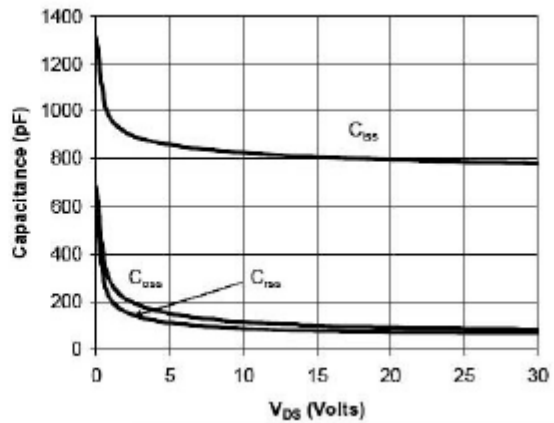
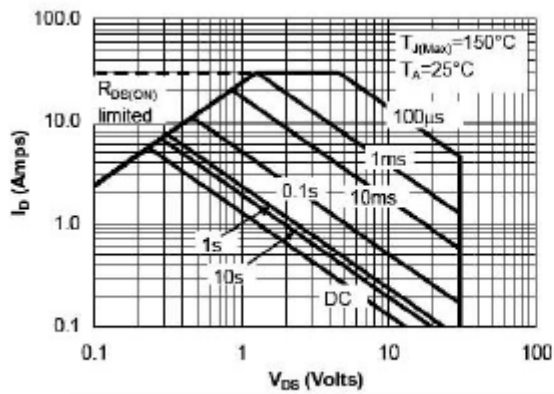
Electrical Characteristics(Ta=25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Max	Unit
Drain-Source Breakdown Voltage	BVDSS	VGS=0V, ID=250uA	30		V
Zero Gate Voltage Drain Current	IDSS	VDS=30V, VGS=0V		0.2	uA
Gate-Body Leakage.	IGSS	VGS=±12V, VDS=0V		±100	nA
Gate Threshold Voltage	VTH	VDS=VGS, ID=250uA	0.7	1.2	V
Static Drain-Source On-Resistance	RDON	VGS=10V, ID=5A		35	mΩ
	RDON	VGS=4.5V, ID=5A		41	mΩ
	RDON	VGS=2.5V, ID=4A		57	mΩ
Body diode voltage	VFSD	VGS=0V, IS=4A	0.5	0.95	V



Electrical Characteristic Curve





Package Dimensions

Package Dimensions of SOT23

SOT23 PACKAGE OUTLINE

	A	B	C	D	E	F	G	H	K
出厂标准	2.4±0.15	0.95±0.05	2.9±0.1	1.3±0.1	0.40±0.1	0.15±0.08	0.4±0.1	0.07±0.07	1.00±0.05

所有单位为mm;