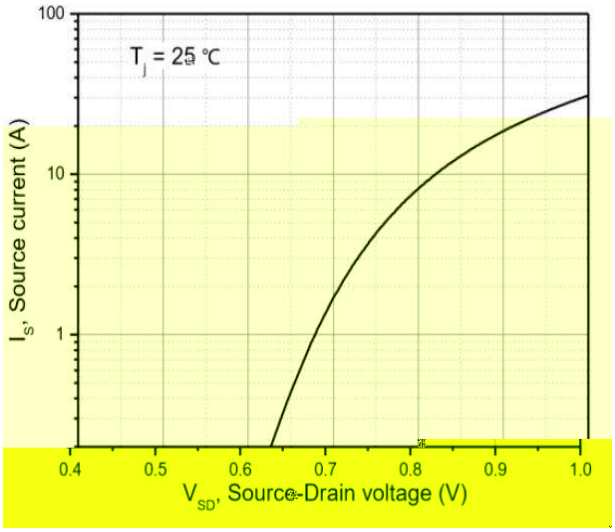
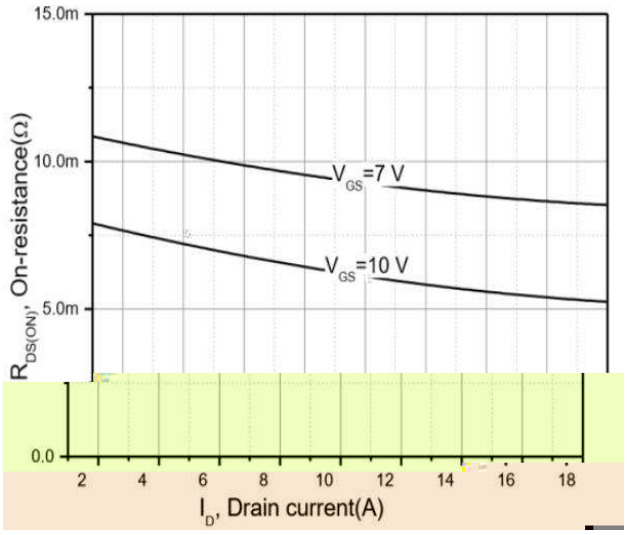
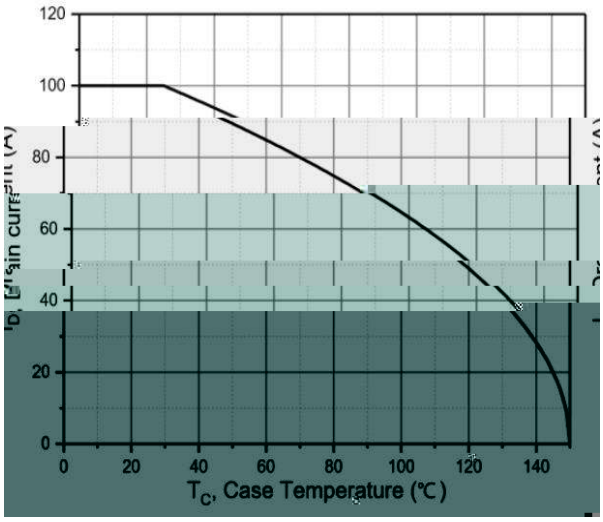
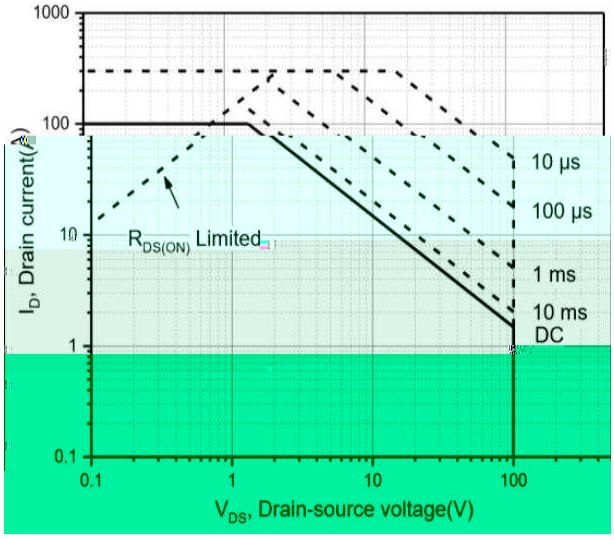
Drain-Source Breakdown Voltage	V_{GS}=0V, I_D=250uA	100	-	-
Gate Body Leakage Current	V_{GS}=±20V, V_{DS}=0V	-	-	±100
Drain-Source Leakage Current	V_{DS} = 100 V, V_{GS} = 0 V	-	-	1
Gate Threshold Voltage	V_{DS}= V_{GS}, I_D=250μA	1	-	3
Drain-Source on-Resistance	V_{GS}=10V, I_D=20A	-	4.5	5.6
	V_{GS}=4.5V, I_D=1A		6.3	9
Input Capacitance	V_{DS}=50V	-	3530	-
Output Capacitance	V_{GS}=0V	-	560.1	-
Reverse Transfer Capacitance	f=1MHz			

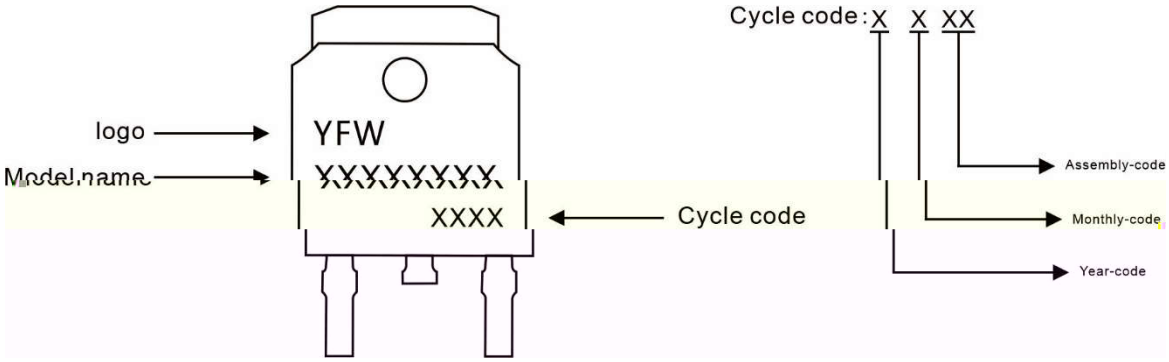

T_j = 25 ℃
I_S, Source current (A)
V_SD, Source-Drain voltage (V)


V_GS=7 V
V_GS=10 V
R_DS(ON), On-resistance(Ω)
I_D, Drain current(A)


T_C, Case Temperature (℃)


R_DS(ON) Limited
10 μs
100 μs
1 ms
10 ms
DC
I_D, Drain current(A)
V_DS, Drain-source voltage(V)

Marking Diagram

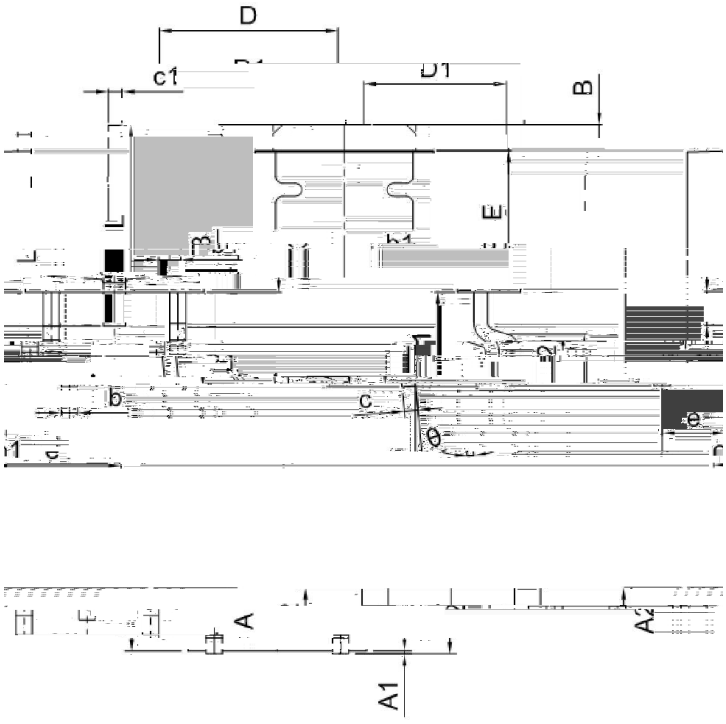


Ordering information

Model name	Package	Unit Weight	Base Quantity	Packing Quantity
YFWG120N10AD	TO-252	0.011oz(0.32g)	2500pcs/reel	5000pcs/box 25000pcs/Carton

Package Dimensions

TO-252



Dim	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	2.20	2.50	0.087	0.098
A1	0.00	0.12	0.000	0.005
A2	2.20	2.40	0.087	0.094
B	1.20	1.60	0.047	0.063
b	0.50	0.70	0.020	0.028
b1	0.70	0.90	0.028	0.035
c	0.40	0.60	0.016	0.024
c1	0.40	0.60	0.016	0.024
D	6.35	6.65	0.250	0.262
D1	5.20	5.40	0.205	0.213
E	5.40	5.70	0.213	0.224
e	2.20	2.40	0.087	0.094
e1	4.40	4.80	0.173	0.189
L	10.00	11.00	0.393	0.433
L1	2.70	3.10	0.106	0.122
L2	1.40	1.80	0.055	0.071
L3	0.90	1.50	0.035	0.059

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