YJJ2612AJ

RoHS
COMPLIANT

$_{DS(ON)}$(at V_{GS}=10V) 590mΩ
- $R_{DS(ON)}$(at V_{GS}=4.5V) 600mΩ

General Description

- High density cell design for Low RDS(ON)
- High Speed switching
- High power and current handling capability
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free

Applications

- PWM applications
- DC-DC convertor

■ Absolute Maximum Ratings (T_A=25 unless otherwise noted)

Parameter		Symbol	Limit	Unit
Drain-source Voltage		V_{DS}	200	V
Gate-source Voltage		V_{GS}	±20	V
Drain Current	T_A=25	I_D	1	A
	T_A=100		0.6	
Pulsed Drain Current [A]		I_{DM}	8	A
Total Power Dissipation [B]	T_A=25	P_D	1.35	W
	T_A=100		0.55	
Junction and Storage Temperature Range		T_J ,T_c ˚ ! Ø † Ң ł M Ů ₴ -		

■Thermal resistance

Parameter		Symbol	Typ	Max	Units
Thermal Resistance Junction-to-Ambient [C]	Steady-State	$R_{\theta JA}$	70	90	/W

■ Ordering Information (Example)

PREFERED P/N	PACKING CODE	Marking	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
YJJ2612AJ	F2	2612AJ	3000	30000	120000	7" reel

YJJ2612AJ

■Typical Electrical and Thermal Characteristics Diagrams

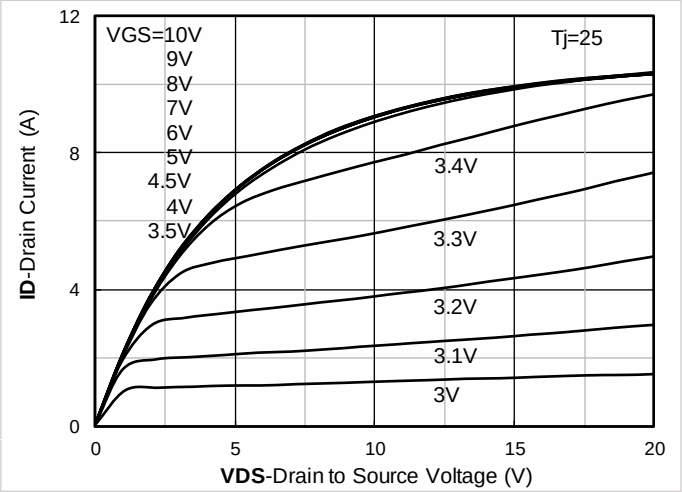


Figure 1. Output Characteristics

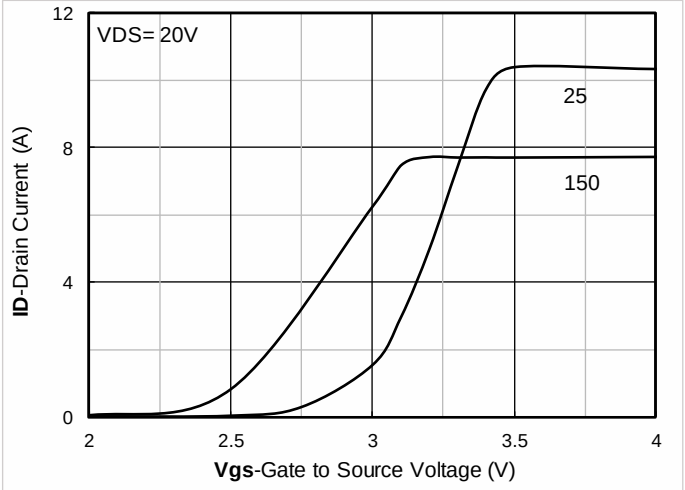
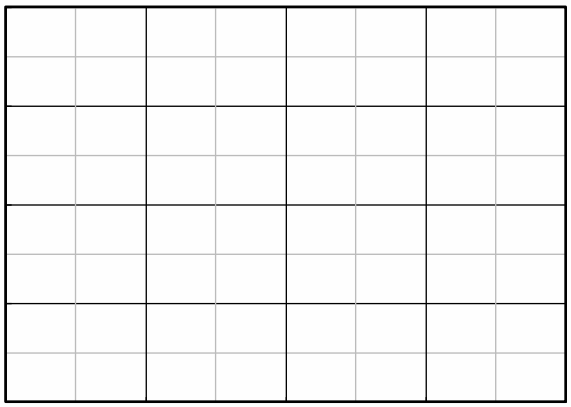
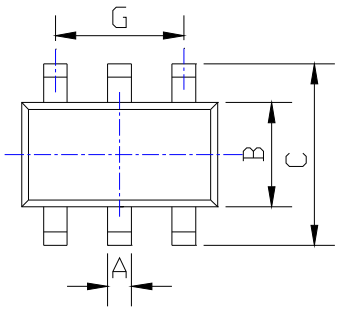


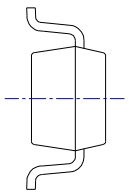
Figure 2. Transfer Characteristics



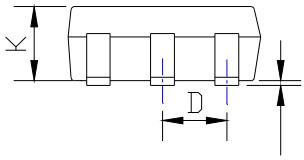
■ SOT-23-6L Package Information



TOP VIEW



SIDE VIEW



SIDE VIEW

DIMENSIONS				
SYMBOL	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A	0.012	0.020	0.300	0.500
B	0.059	0.067	1.500	1.700
C	0.104	0.116	2.650	2.950
D				
G				
H	0.111	0.119	2.820	
J				
K	0.041	0.045	1.050	1.150
L	0.012	0.024	0.300	0.600
M	0.004	0.008	0.100	0.200
θ	0°	8°	0°	8°