

V_{DS}	200V
I_D	1A
$R_{DS(ON)}$ (at $V_{GS}=10V$)	590m
$R_{DS(ON)}$ (at $V_{GS}=4.5V$)	600m

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

PWM applications
 DC-DC convertor

($T_A=25$ unless otherwise noted)

Drain-source Voltage	V_{DS}	200	V
Gate-source Voltage	V_{GS}	± 20	V
Drain Current	$T_A=25$	1	A
	$T_A=100$	0.6	
Pulsed Drain Current ^A	I_{DM}	8	A
Total Power Dissipation ^B	$T_A=25$	1.35	W
	$T_A=100$	0.55	
Junction and Storage Temperature Range	T_J, T_{STG}	-55 +150	

Thermal Resistance Junction-to-Ambient ^C	Steady-State	R_{JA}	70	90	/W
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(Example)

YJJ2612AJ	F2	2612AJ	3000	30000	120000	7" reel
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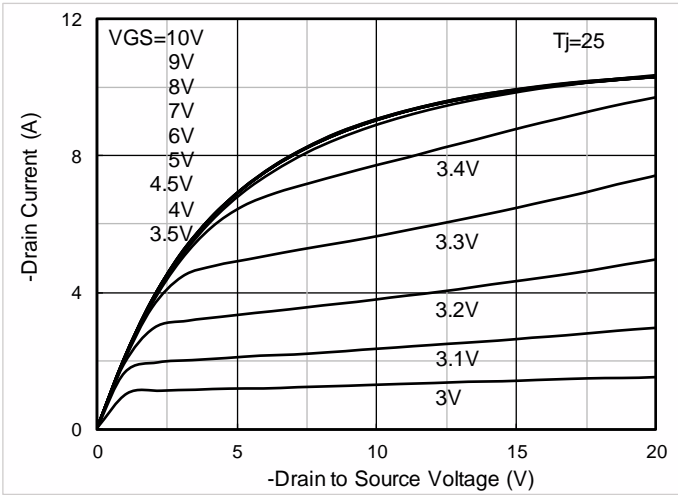


Figure 1. Output Characteristics

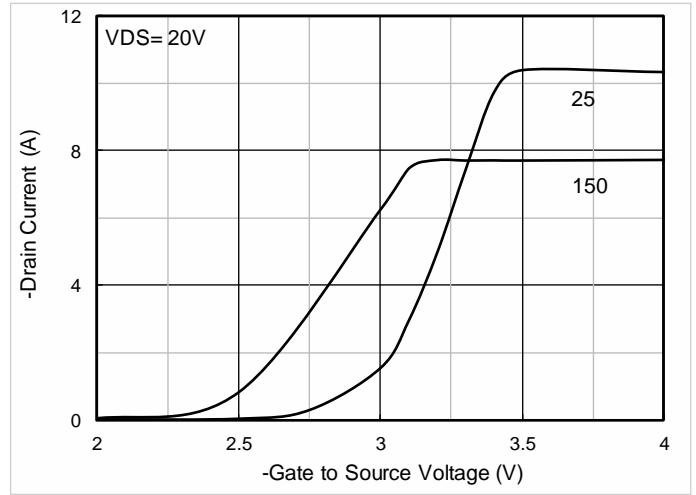


Figure 2. Transfer Characteristics

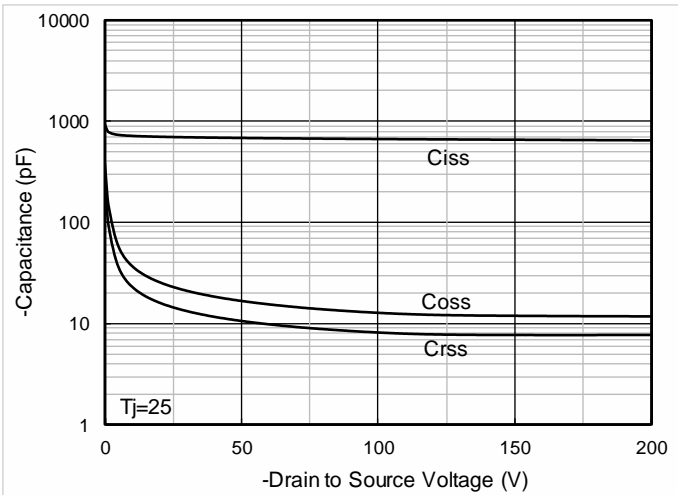


Figure 3. Capacitance Characteristics

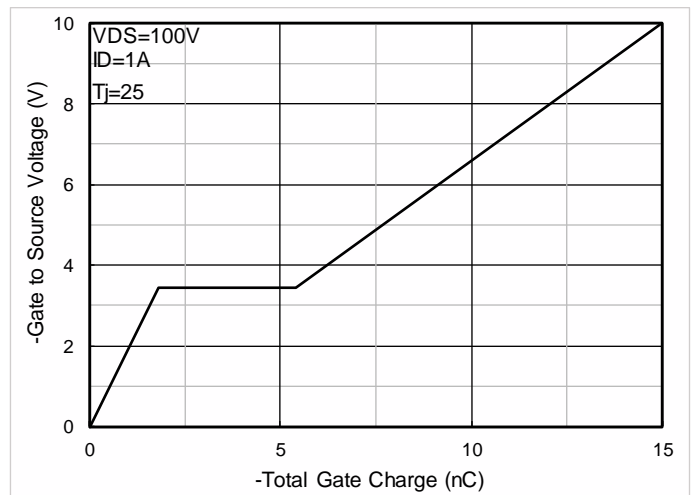


Figure 4. Gate Charge

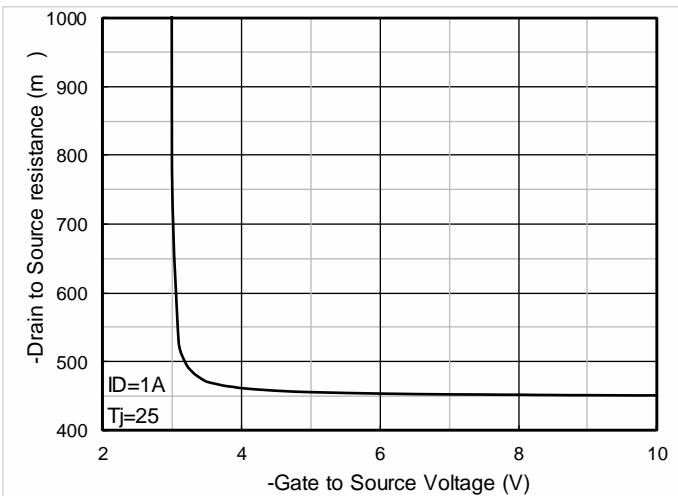


Figure 5. On-Resistance vs Gate to Source Voltage

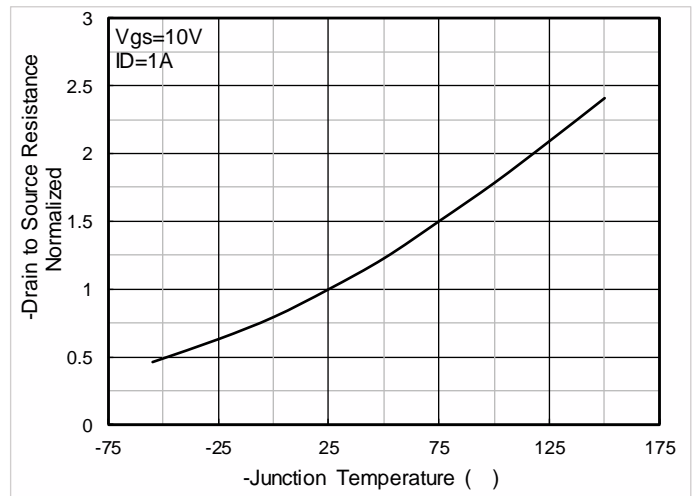
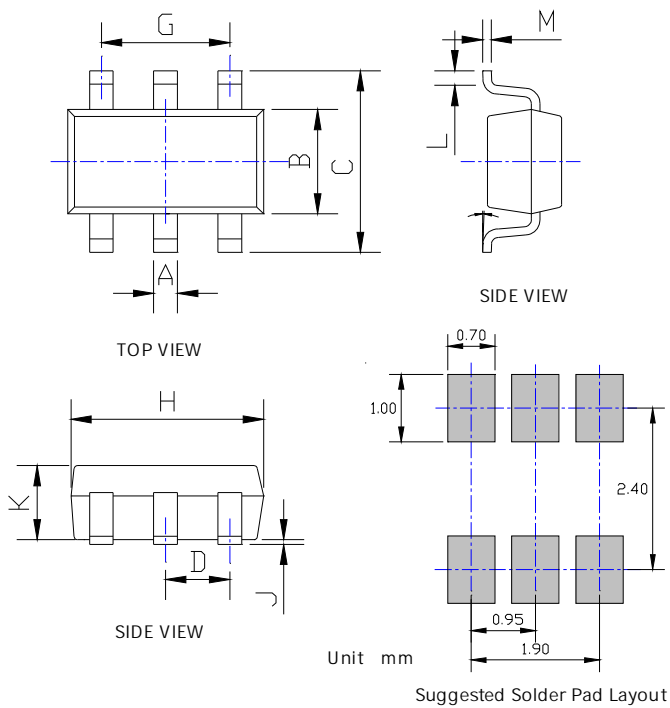


Figure 6. Normalized On-Resistance





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	0.037BSC		0.950BSC	
G	0.075BSC		1.900BSC	
H	0.111	0.119	2.820	3.020
J	0.000	0.004	0.000	0.100
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
	0°	8°	0°	8°

Note:

1. Controlling dimension: in millimeters.
2. General tolerance: ± 0.05 mm.
3. The pad layout is for reference purposes only.



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