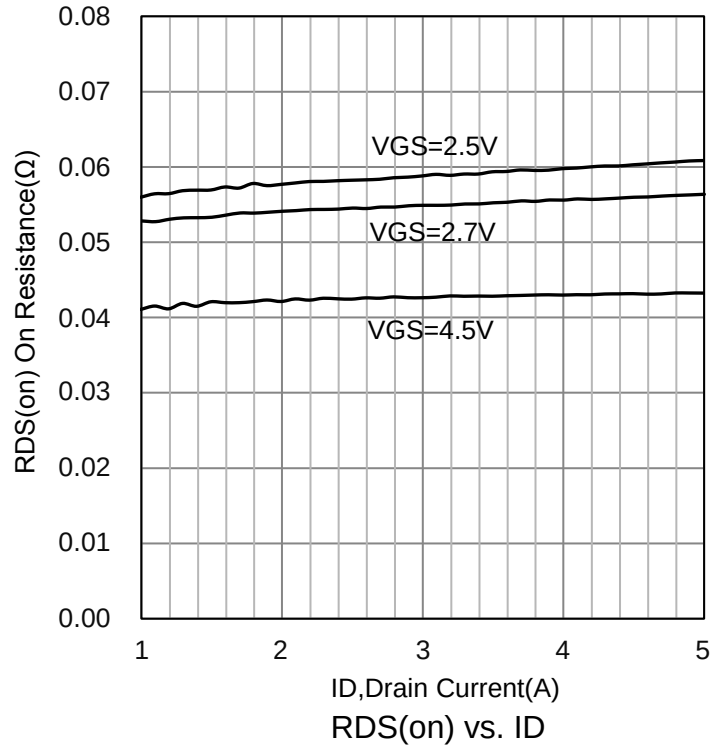
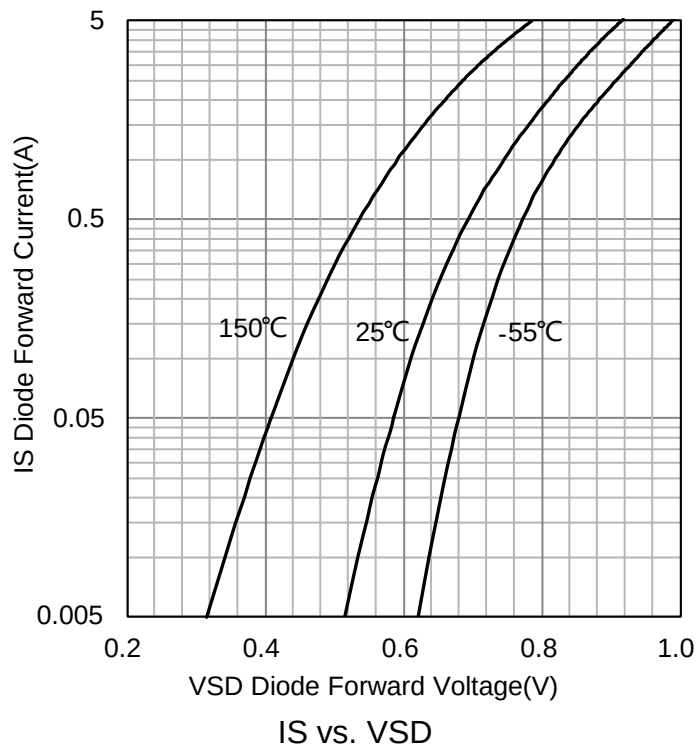
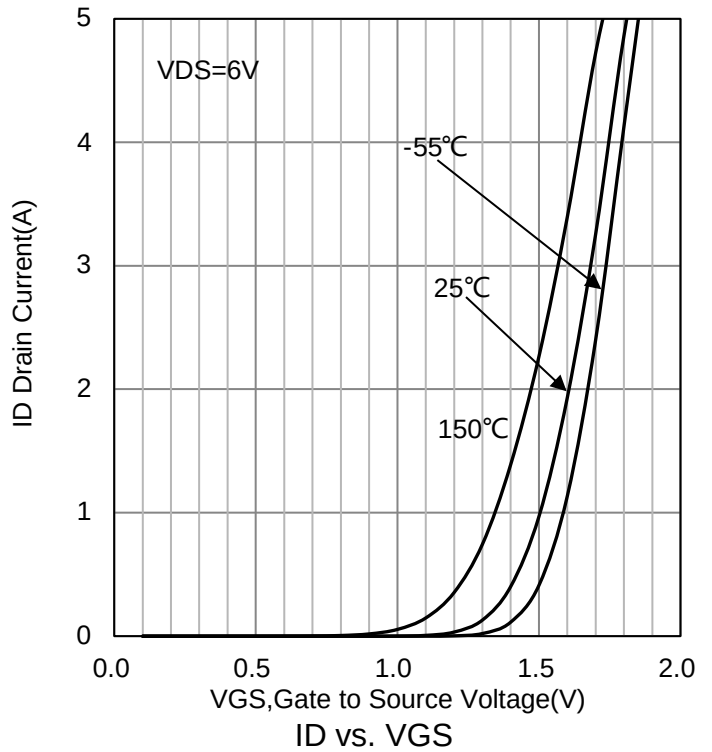
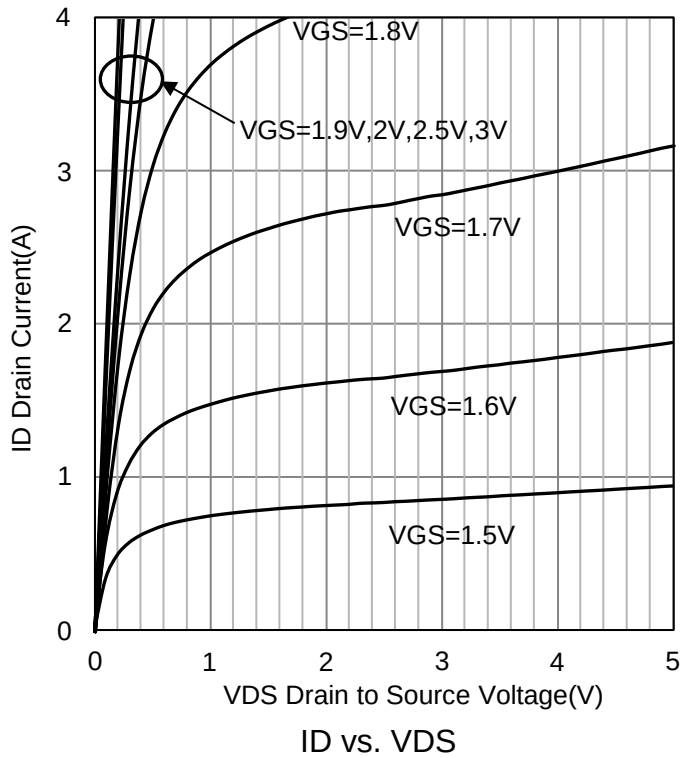


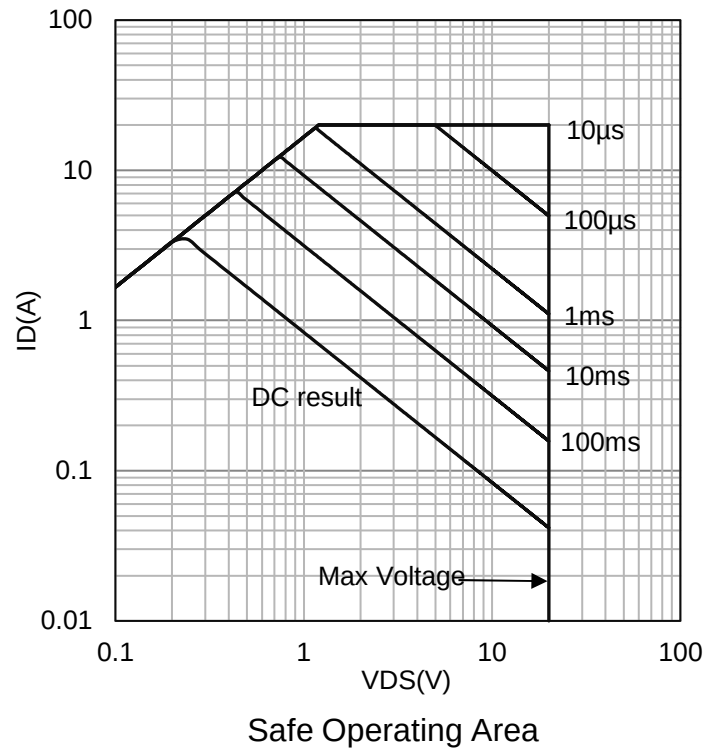
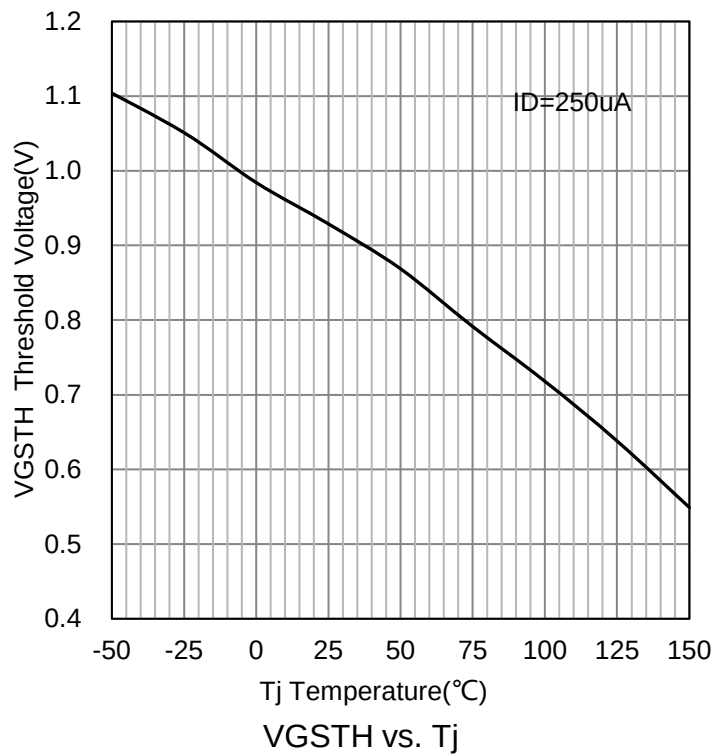
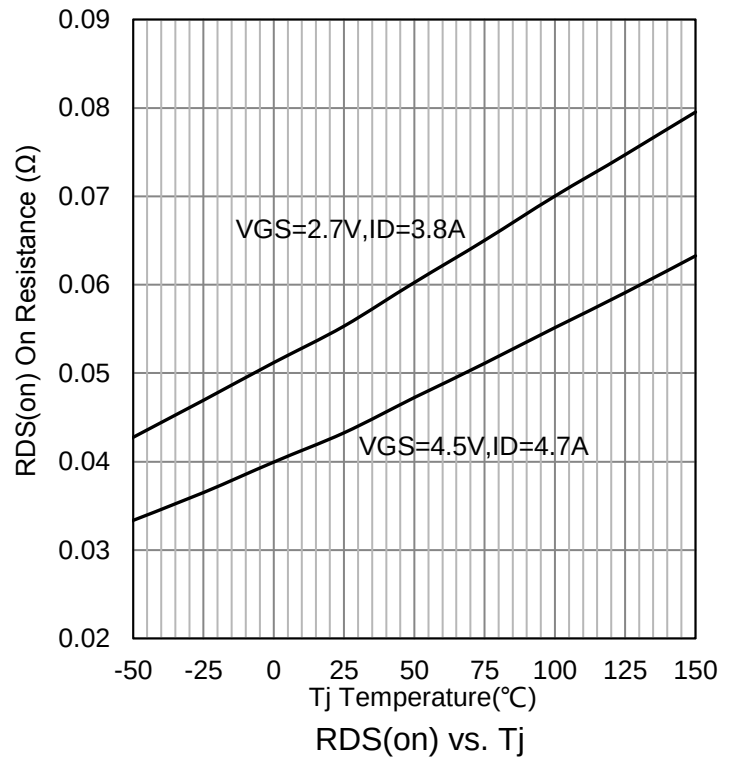
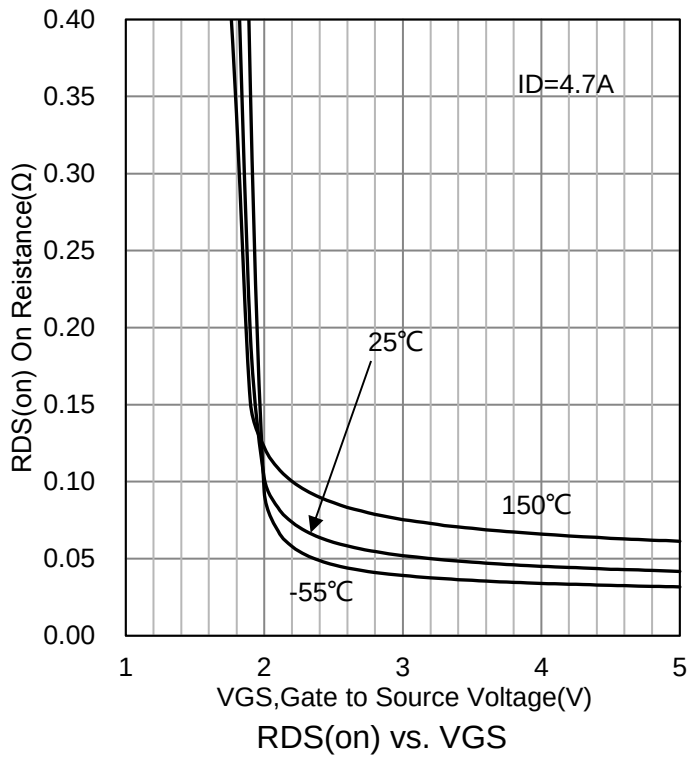
6. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Characteristic		Symbol	Min.	Typ.	Max.	Unit
Static						
Drain–Source Breakdown Voltage (VGS = 0, ID = -250μA)		VBRDSS	-20	-	-	V
Gate Threshold Voltage (VDS = VGS, ID = -250μA)		VGS(th)	-0.6	-0.85	-1.4	V
Zero Gate Voltage Drain Current (VGS = 0, VDS = -20 V)		IDSS	-	-	-1	μA
Gate–Body Leakage Current, Forward (VGS = 12 V)		IGSSF	-	-	100	nA
Gate–Body Leakage Current, Reverse (VGS = - 12 V)		IGSSR	-	-	-100	nA
Static Drain–Source On–State Resistance (VGS = -4.5V, ID = -4.7A) (VGS = -2.7V, ID = -3.8A) (VGS = -2.5V, ID = -1.0A)		RDS(on)	- - -	58 63 75	70 75 80	mΩ
Dynamic						
Total Gate Charge	(VDS = -10 V, VGS = -4.5 V, ID = -1 A)	Qg	-	7.5	-	nC
Gate to Source Charge		Qgs	-	1.1	-	
Gate to Drain Charge		Qgd	-	2	-	
Turn-on Delay Time	(VDS=-10V, ID =-1A, RL=10Ω, VGS=-4.5V, RG=6.2Ω)	td(on)	-	19	-	nS
Rise Time		tr	-	26	-	
Turn-Off Delay Time		td(off)	-	96	-	
Fall Time		tf	-	42	-	
Input Capacitance	(VDS=-10 V, VGS=0 V, f=1MHz)	Ciss	-	800	-	pF
Output Capacitance		Coss	-	85	-	
Reverse Transfer Capacitance		Crss	-	78	-	
Source-Drain DIODE Ratings and Characteristics(TA= 25° C)						
Reverse Recovery Time (IF=-0.9A, di/dt=13A/μs)		trr	-	14	-	nS
Reverse Recovery Charge (IF=-0.9A, di/dt=13A/μs)		Qrr	-	0.5	-	nC

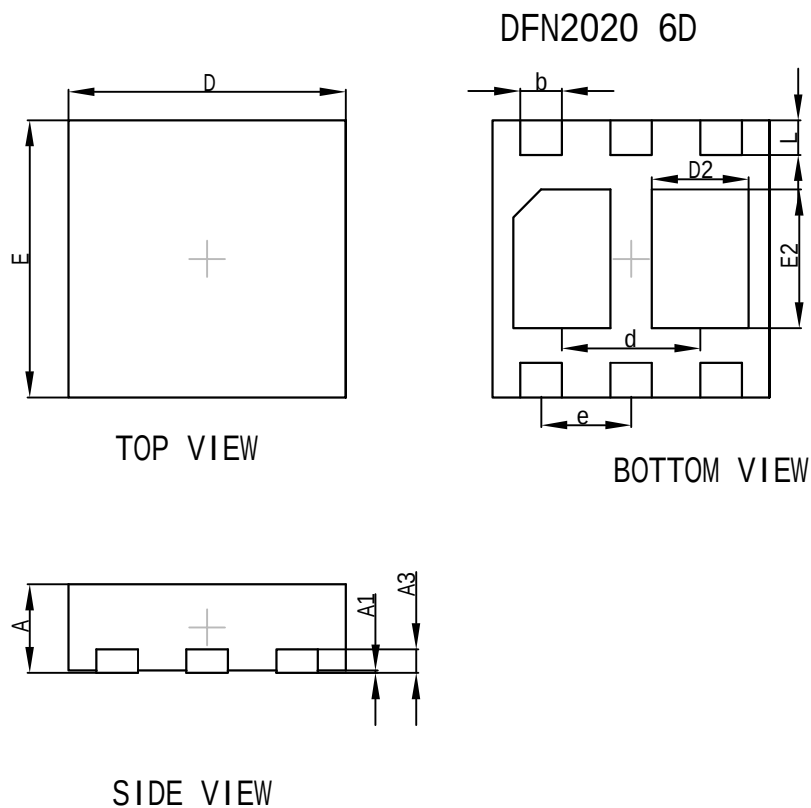
7. ELECTRICAL CHARACTERISTICS CURVES



7. ELECTRICAL CHARACTERISTICS CURVES(Con.)

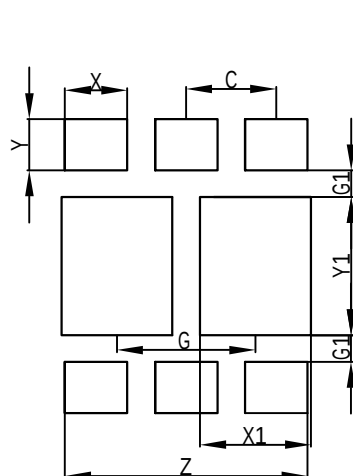


8.OUTLINE AND DIMENSIONS (Unit:mm)



DFN2020 6D			
Dim	Min	Typ	Max
D	1.95	2.00	2.05
E	1.95	2.00	2.05
e	-	0.65	-
L	0.20	0.25	0.30
b	0.25	0.30	0.35
d	-	1.00	-
A	0.60	0.65	0.70
A1	0	0.02	0.05
A3	-	0.152	-
E2	0.95	1.00	1.05
D2	0.65	0.70	0.75
All Dimensions in mm			

9.SOLDERING FOOTPRINT



Dimensions	(mm)
X	0.45
Y	0.37
X1	0.80
Y1	1.00
C	0.65
G	1.00
G1	0.19
Z	1.75

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