/ Descriptions

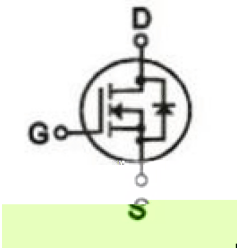
N-Channel MOSFET in a TOLL-8L Plastic Package .

/ Features

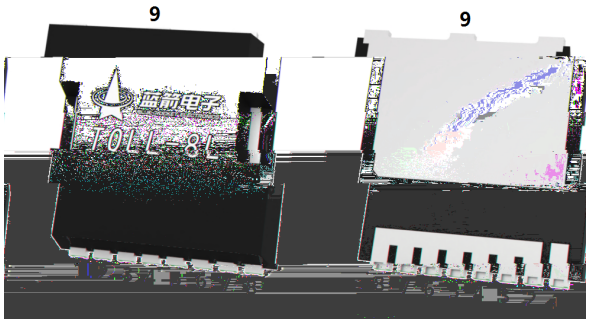
≤ Ω Ω

/ Applications

/ Equivalent Circuit



/ Pinning



: 、 、 、 、 、 、 : :

/ Marking

/ Absolute Maximum Ratings(T_C=25)

	℃		
	℃		
		±	
	θ		/W
	θ		

/ Electrical Characteristics(Ta=25)

					±	
						Ω
		μ				
						Ω
		Ω				

/ Electrical Characteristic Curve

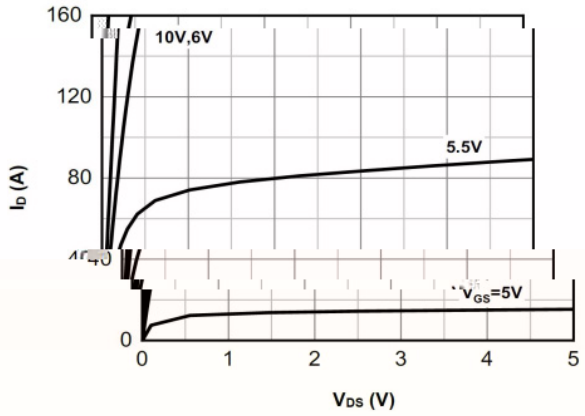


Figure 1 Output Characteristics

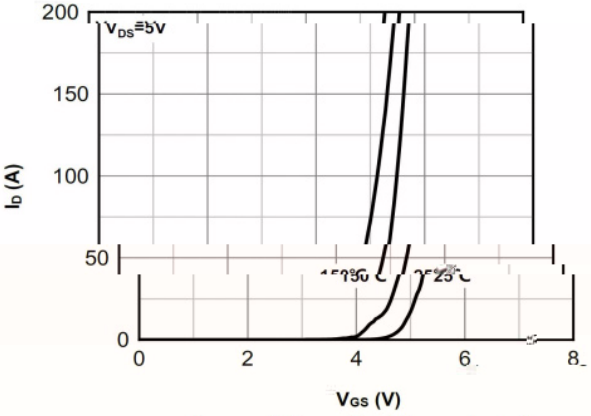


Figure 2 Transfer Characteristics

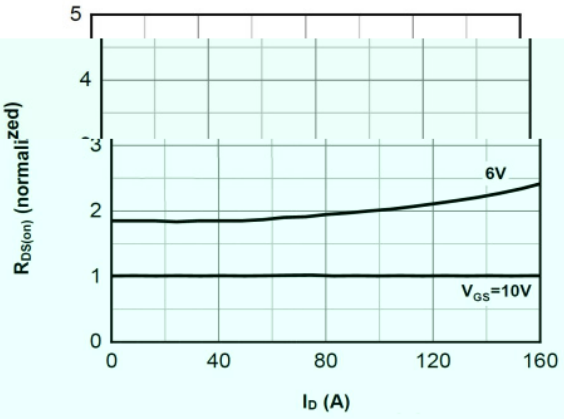


Figure 3 Rdson-Drain current

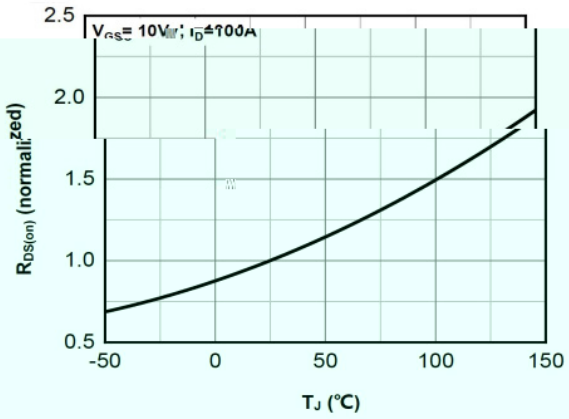


Figure 4 Rdson-Junction Temperature

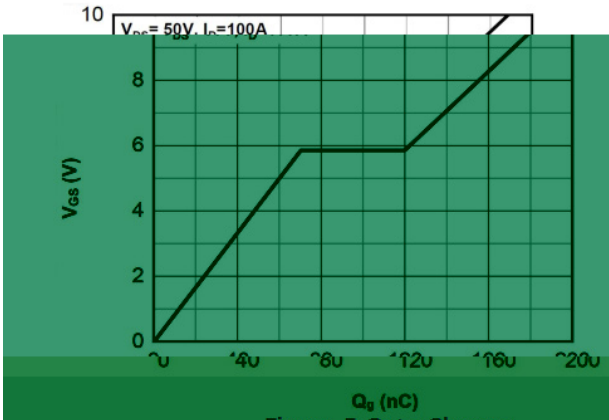


Figure 5 Gate Charge

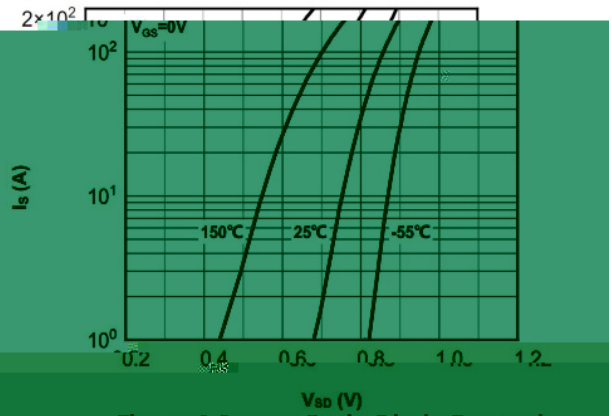


Figure 6 Source-Drain Diode Forward

/ Electrical Characteristic Curve

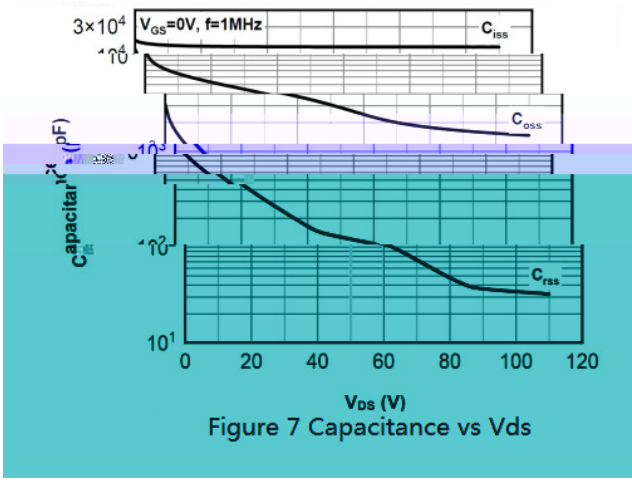


Figure 7 Capacitance vs Vds

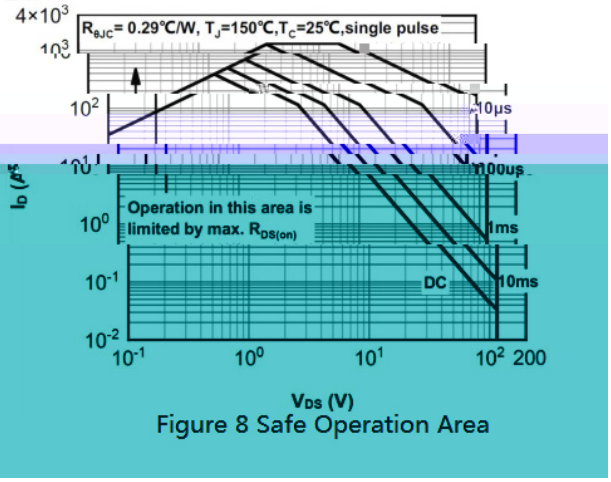


Figure 8 Safe Operation Area

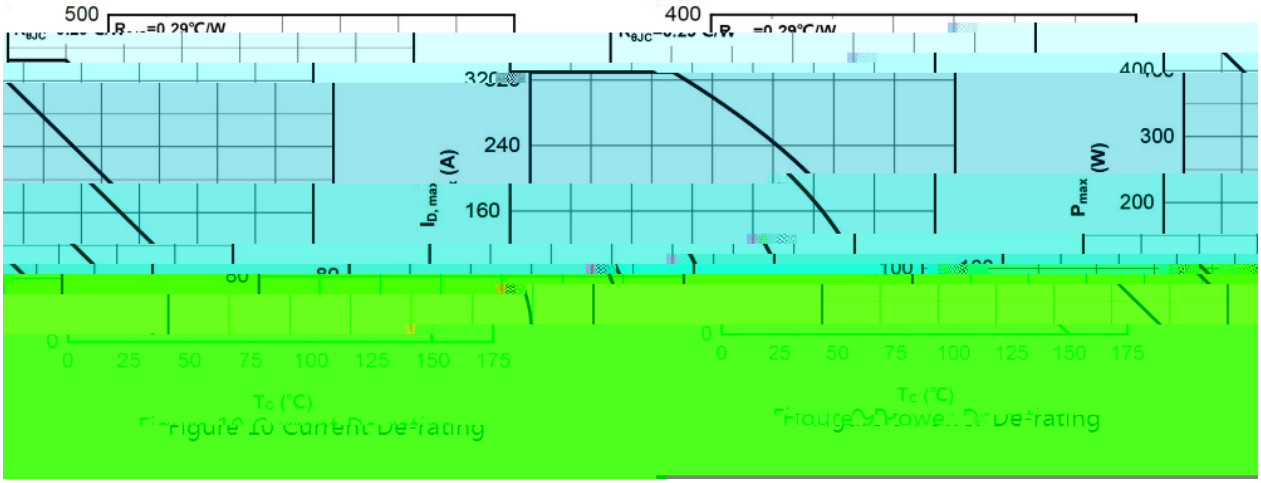


Figure 10 Current De-rating

Figure 9 Power De-rating

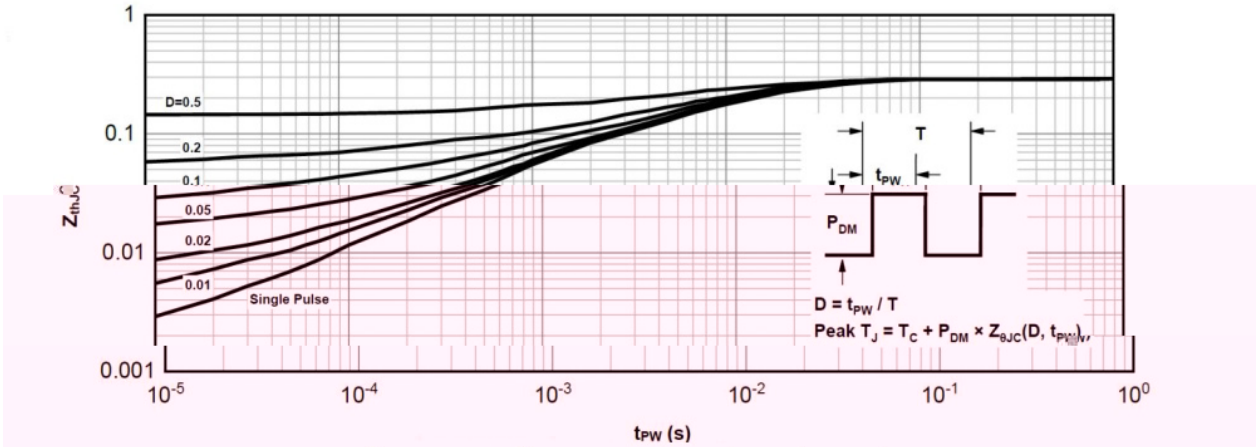
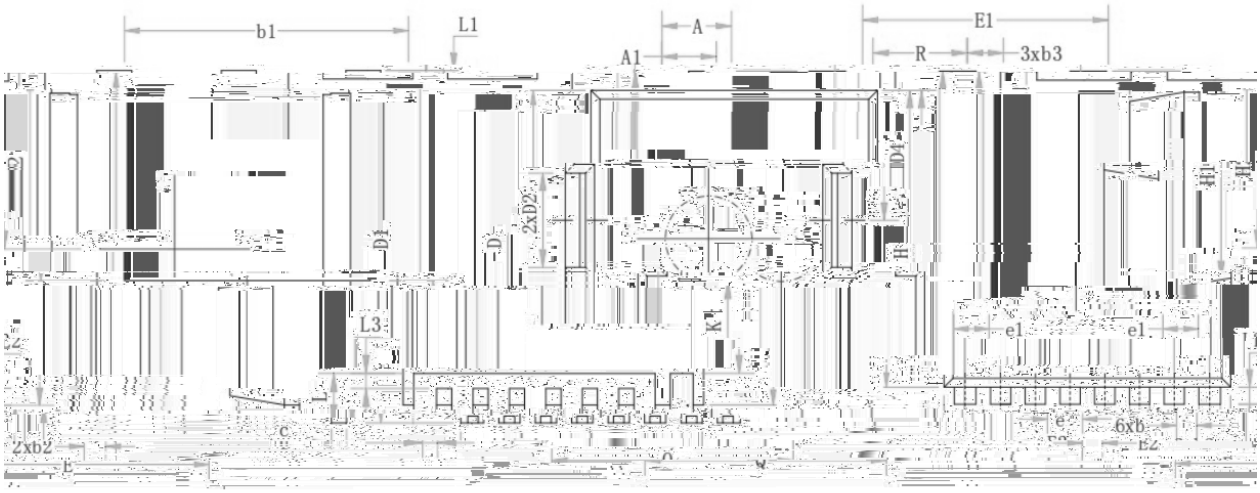


Figure 11 Maximum Transient Thermal Impedance

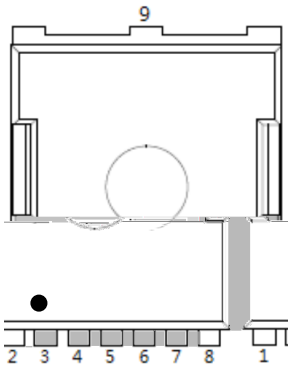
/ Package Dimensions



iew Side V

Symbol	Min	Typ	Max	Symbol	Min	Typ	Max
A	2.25	2.30	2.35	E	9.85	9.90	9.95
A1	1.75	1.80	1.85	E1	8.00	8.10	8.20
b	0.65	0.70	0.75	E2	0.65	0.70	0.75
b1	9.75	9.80	9.85	H1	11.60	11.70	11.80
b2	0.70	0.75	0.80	H1	6.95 BSC		
b3	1.15	1.20	1.25	H2	5.90 BSC		
c	0.45	0.50	0.55	K	3.10 REF		
D	10.35	10.40	10.45	L	1.55	1.65	1.75
D1	11.00	11.10	11.20	L1	0.65	0.70	0.75
D2	3.25	3.30	3.35	L2	0.50	0.60	0.7
D4	4.50	4.55	4.60	L3	0.40	0.50	0.6
e	1.20 BSC			Q	7.95 REF		
e1	1.225 BSC			R	3.00	3.10	3.2

/ Marking Instructions



BR

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( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)

± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ±

/ Packaging SPEC.