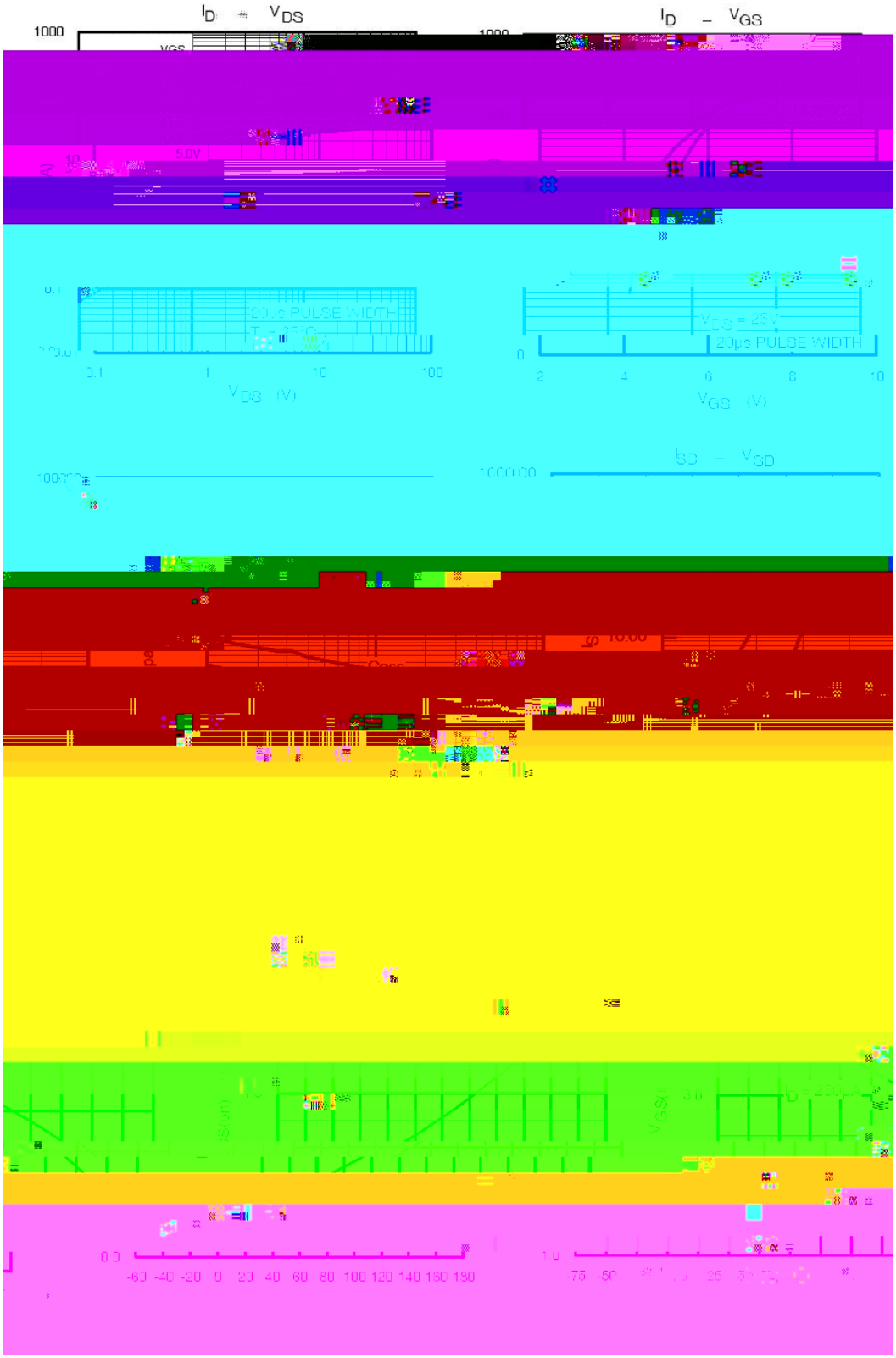
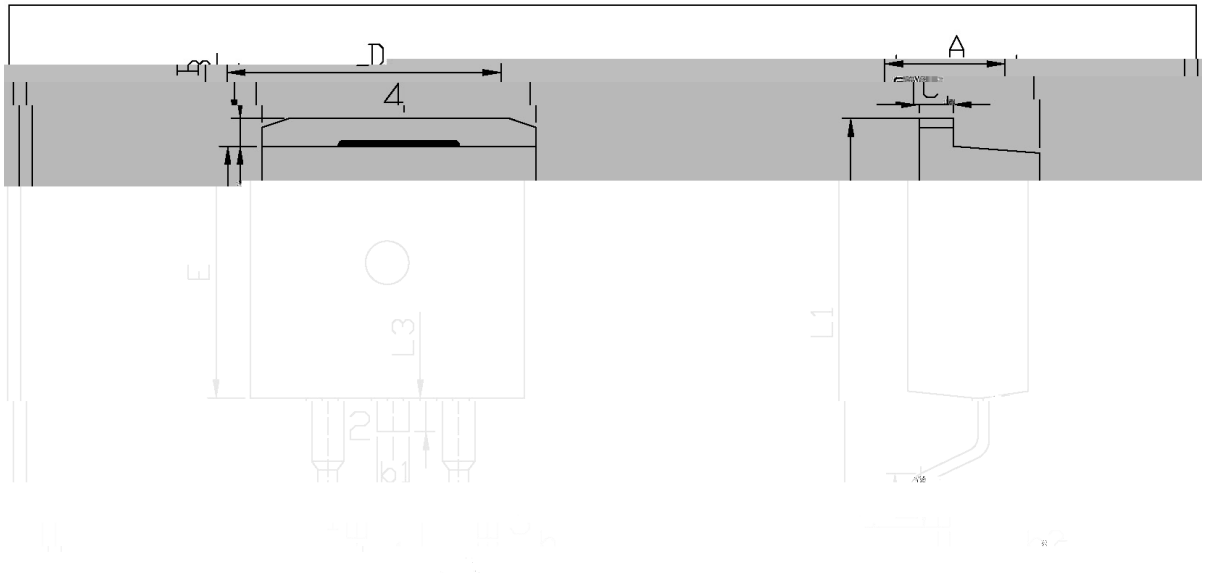
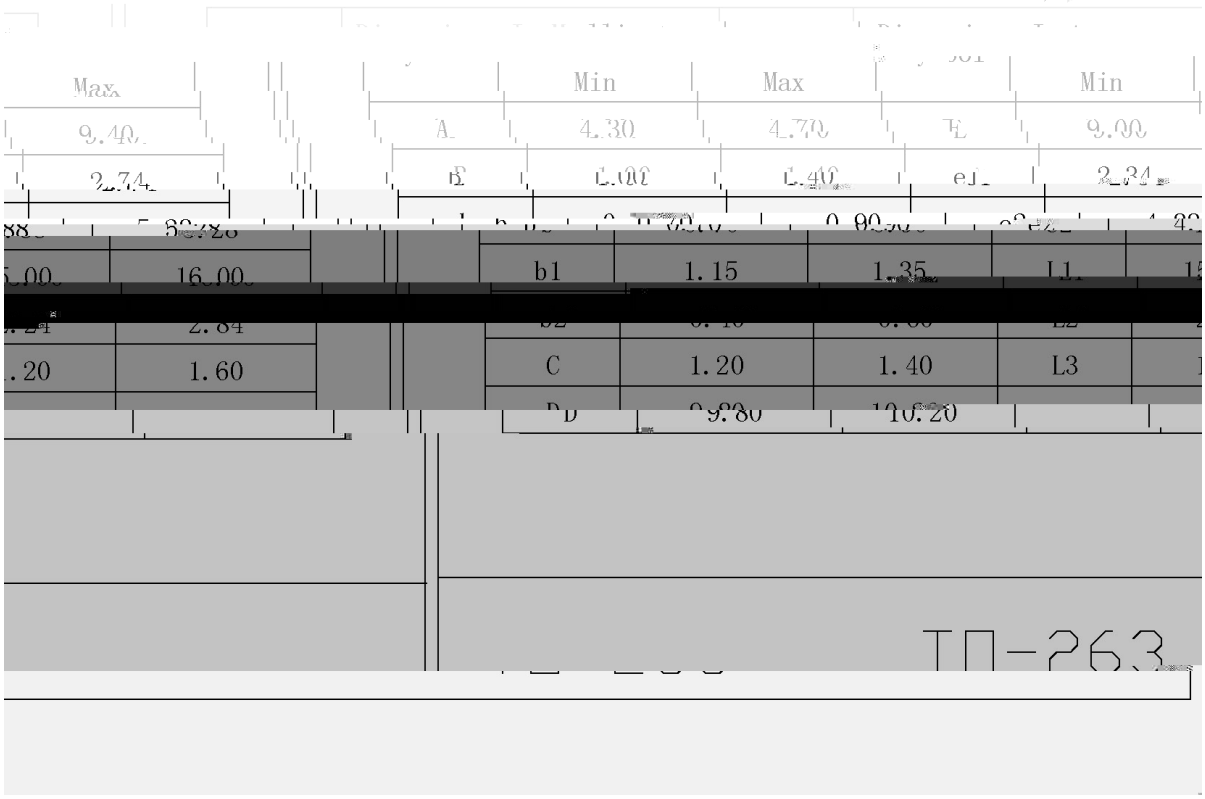
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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	100	V
Drain Current	I_D(Tc=25)	59	A
Drain Current	I_D(Tc=100)	42	A
Single Avalanche Current	I_{DM}	240	A
Gate-Source Voltage	V_{GSS}	±20	V
Single Pulsed Avalanche Energy	I_{AR}	15	A
Single Avalanche Energy	E_{AS}	170	mJ
Power Dissipation	P_D(Tc=25)	160	W
Storage Temperature Range	T_J,T_{STG}	-55 to 150	
Channel to Ambient Thermal Resistance	R_{dJA}	40	/W


I_D - V_DS
1000
5.0V
20μs PULSE WIDTH
0.1
1
10
100
V_DS (V)
I_D - V_GS
V_DS = 25V
20μs PULSE WIDTH
0
2
4
6
8
10
V_GS (V)
I_SD - V_SD
1000.00
-60 -40 -20 0 20 40 60 80 100 120 140 160 180
-75 -50


D
A
L3
b1
L1


Max
Min
Max
Min
9.40
A
4.30
4.70
E
9.00
2.74
b
1.00
1.40
e
2.34
16.00
b1
1.15
1.35
2.84
1.20
1.60
C
1.20
1.40
L3
9.80
10.20
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