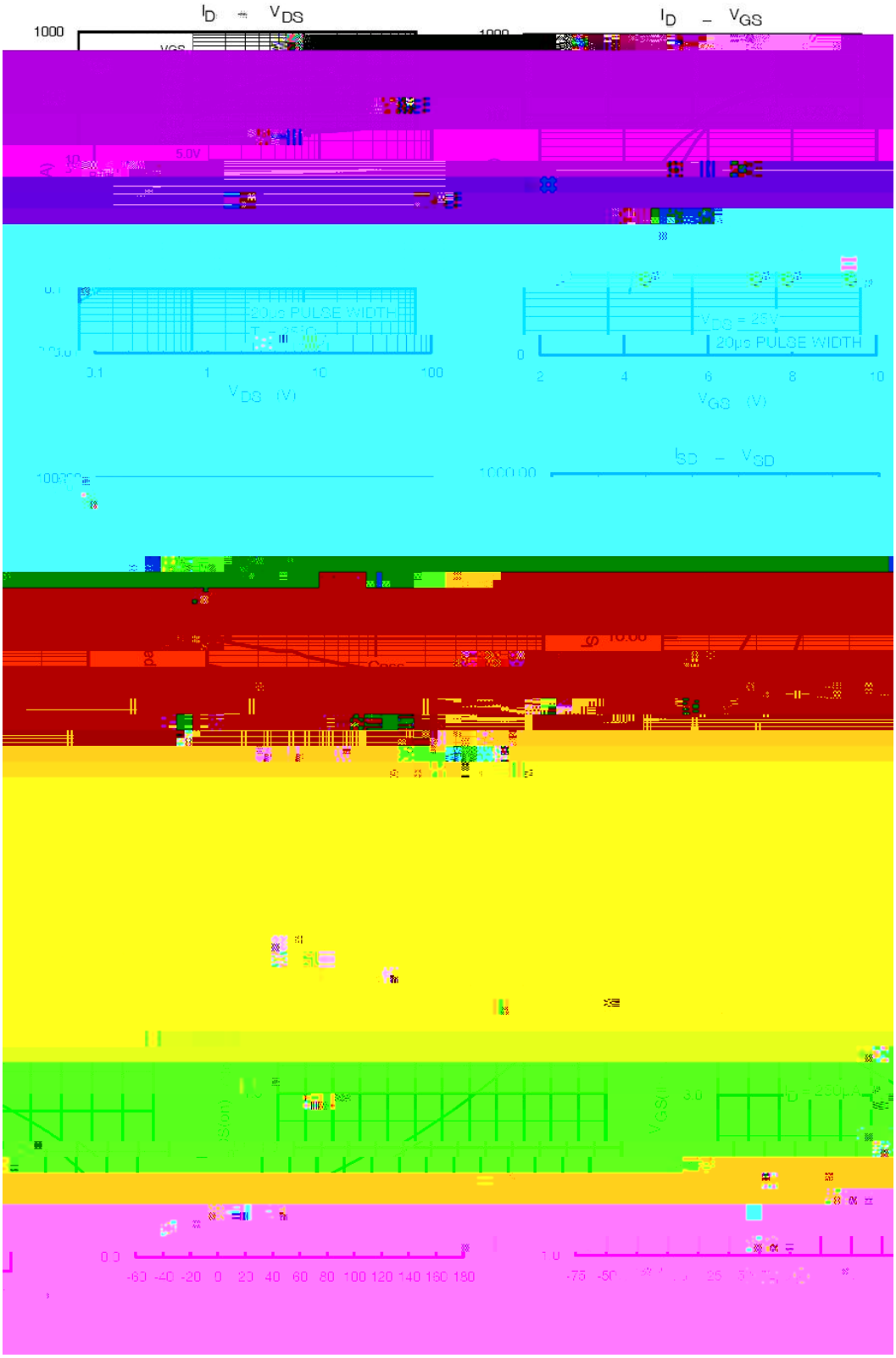
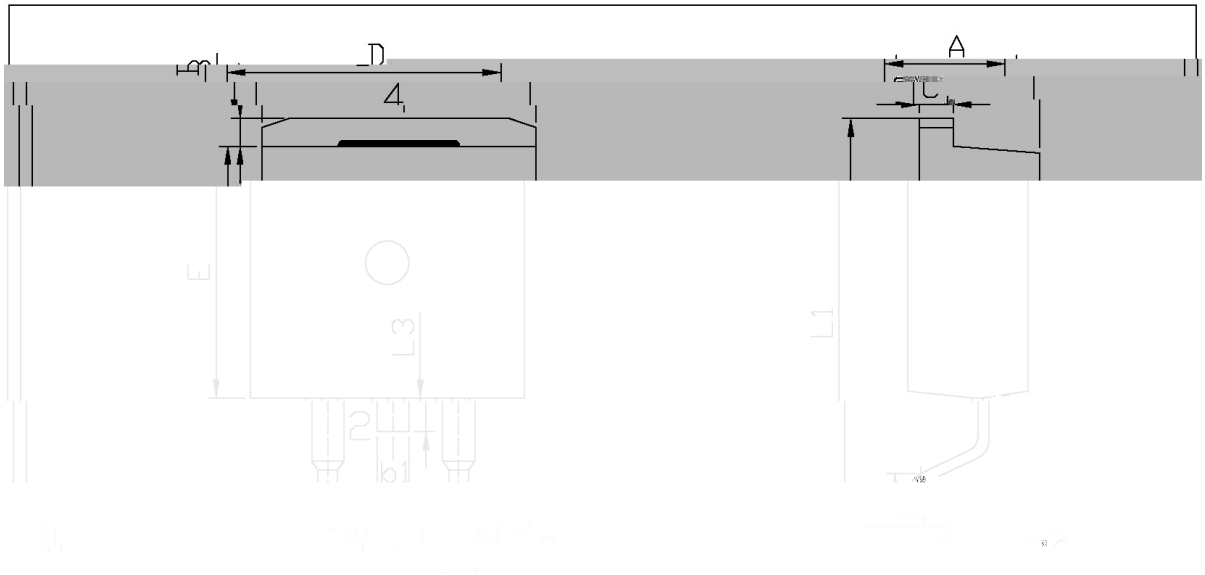
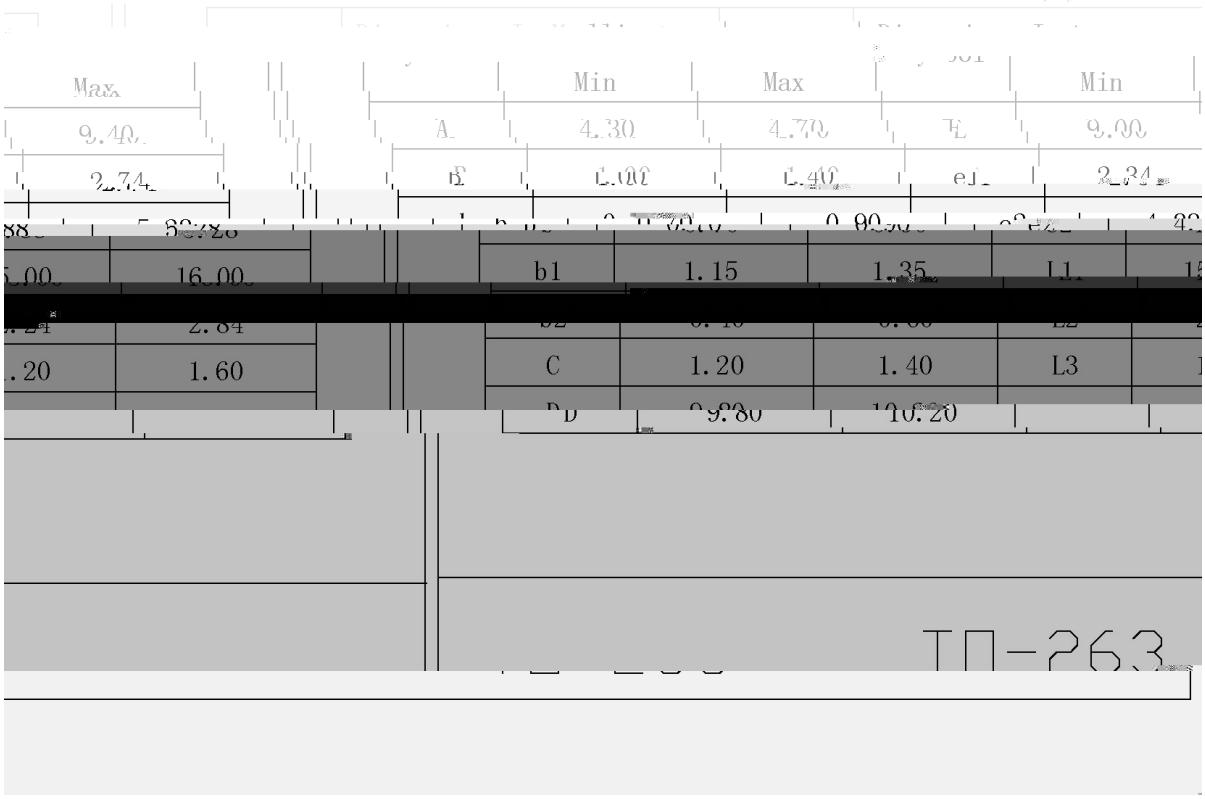
TO-263 N

| 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
TO-263