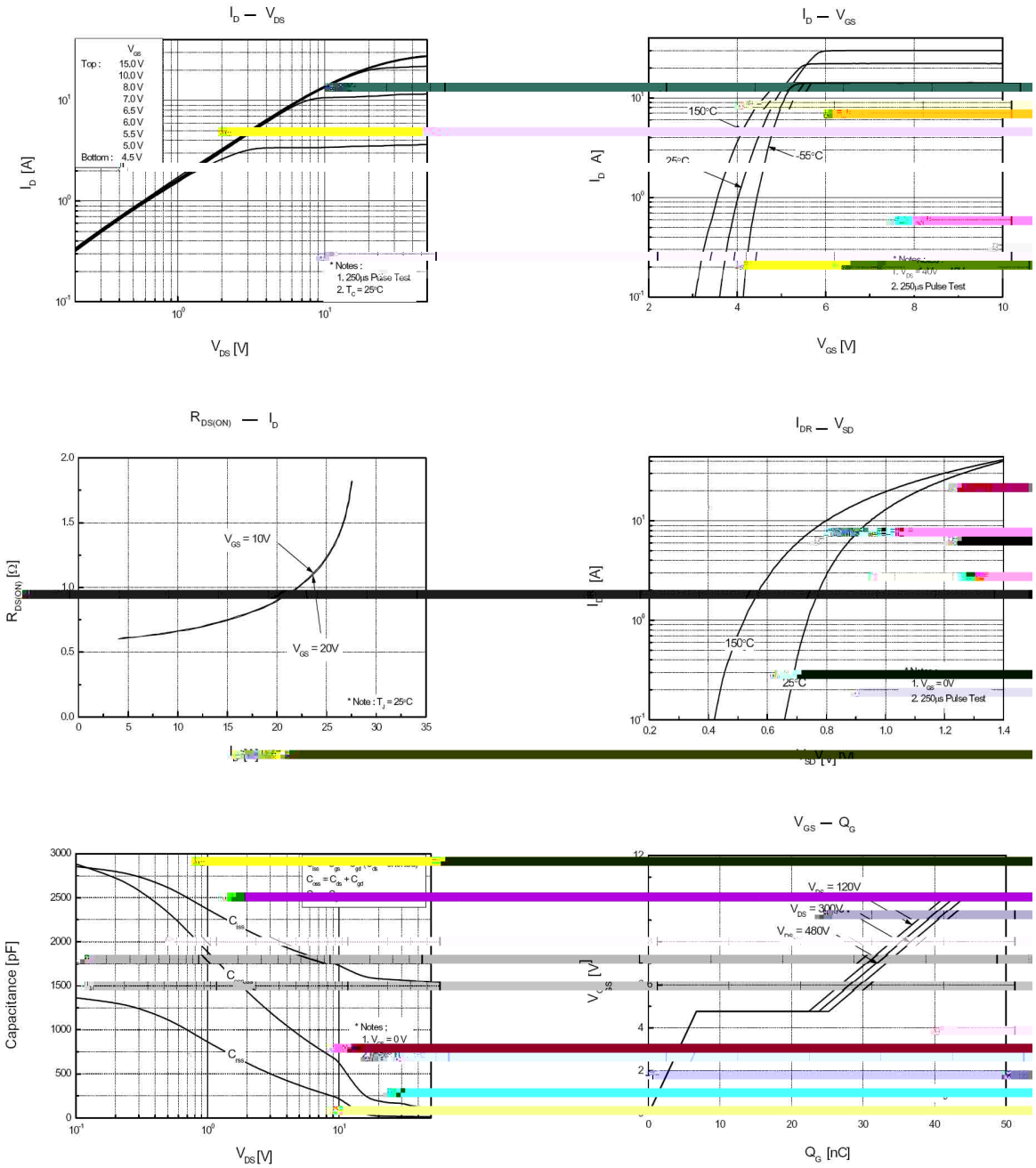
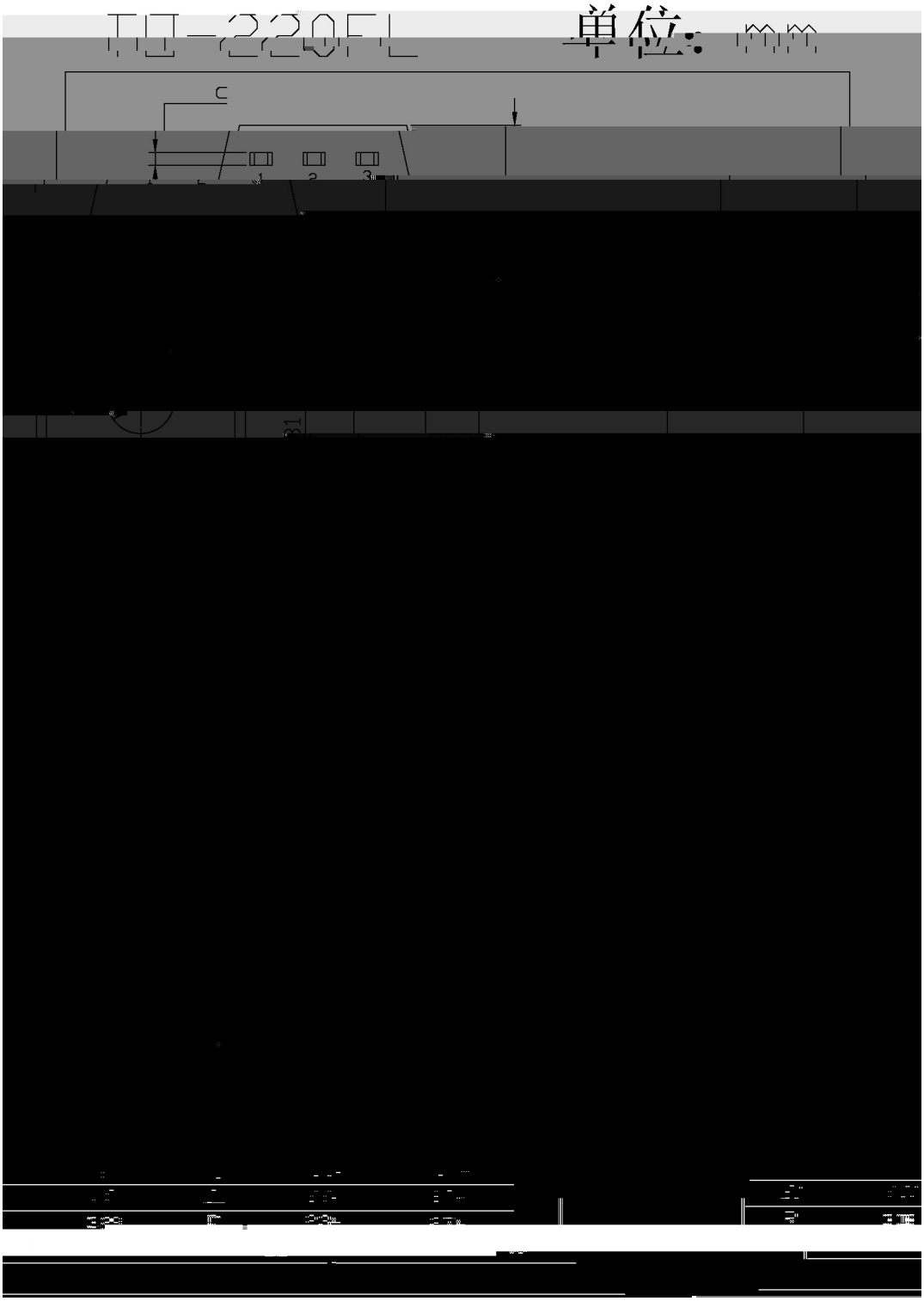
TO-220FL

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	600	V
Drain Current	I_D(Tc=25)	9.5	A
Drain Current	I_D(Tc=100)	5.7	A
Drain Current - Pulsed	I_{DM}	38	A
Gate-Source Voltage	V_{GSS}	±30	V
Single Pulsed Avalanche Energy	E_{AS}	700	mJ
Repetitive Avalanche Energy	E_{AR}	15.6	mJ
Avalanche Current	I_{AR}	9.5	A
Thermal Resistance, Junction to Case	$R_{\theta JC}$	2.5	/W
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	62.5	/W
Power Dissipation	P_D(Tc=25)	50	W
Operating and Storage Temperature Range	T_J,T_{STG}	-55 to 150	

≠ Ǝ ÃʹE ᛋ ƒ


I_D — V_DS
Top : 15.0 V
10.0 V
8.0 V
7.0 V
6.5 V
6.0 V
5.5 V
Bottom : 5.0 V
V_GS
* Notes :
1. 250μs Pulse Test
2. T_C = 25°C
I_D [A]
V_DS [V]
I_D — V_GS
150°C
25°C
-55°C
* Notes :
1. V_DS = 40V
2. 250μs Pulse Test
I_D [A]
V_GS [V]
R_DS(ON) — I_D
V_GS = 10V
V_GS = 20V
* Note : T_J = 25°C
R_DS(ON) [Ω]
I_DR — V_SD
150°C
25°C
* Notes :
1. V_GS = 0V
2. 250μs Pulse Test
I_DR [A]
V_SD [V]
Capacitance [pF]
C_iss
C_oss
C_rss
* Notes ;
1. V_GS = 0 V
V_DS [V]
V_GS — Q_G
V_DS = 120V
V_DS = 300V
V_DS = 480V
V_GS [V]
Q_G [nC]

ᵘ ĖÒĻ ʃ



↓ ș ╕ẘ´E ᛋ ƒ ѽ ѕ



	Note:
1 25 150 60 90sec;	1.Preheating:25~150 , Time:60~90sec.
2 255 5 5 0.5sec;	2.Peak Temp.:255 5 , Duration:5 0.5sec.
3 2 10 /sec.	3. Cooling Speed: 2~10 /sec.

ᛘ ѽ ɋ ¯ Y Ţ

270 5 10 1 sec. Temp.:270±5 Time:10±1 sec

ɒ Ŀ ᛣ —

/ TUBE

Package Type	Units	Dimension	(unit mm^3)