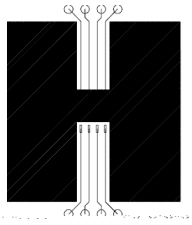
SOP-8	N	Power Trench MOS

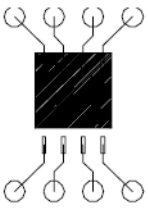
		Ω				

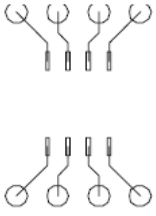
θ

θ

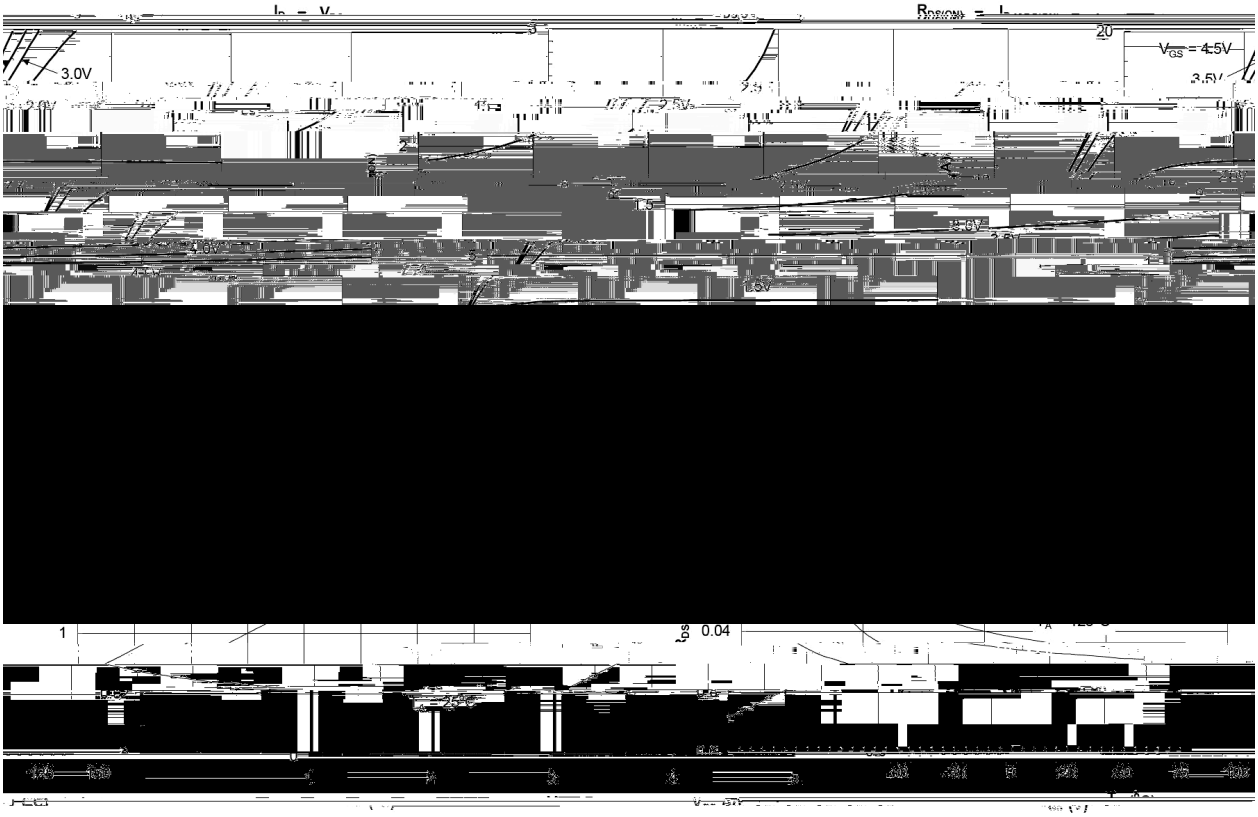
θ

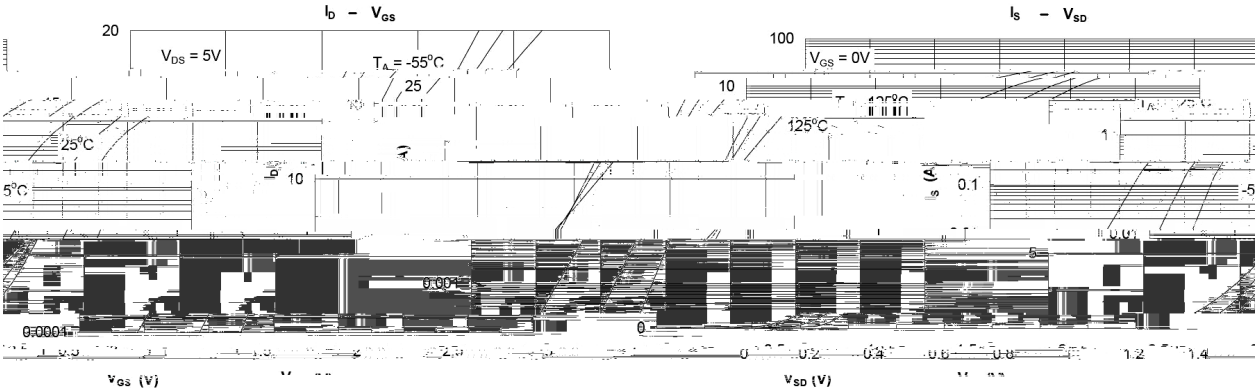


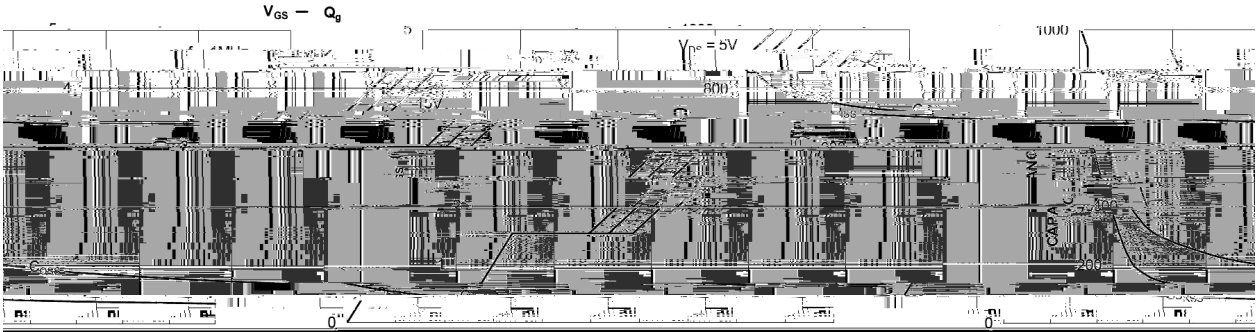




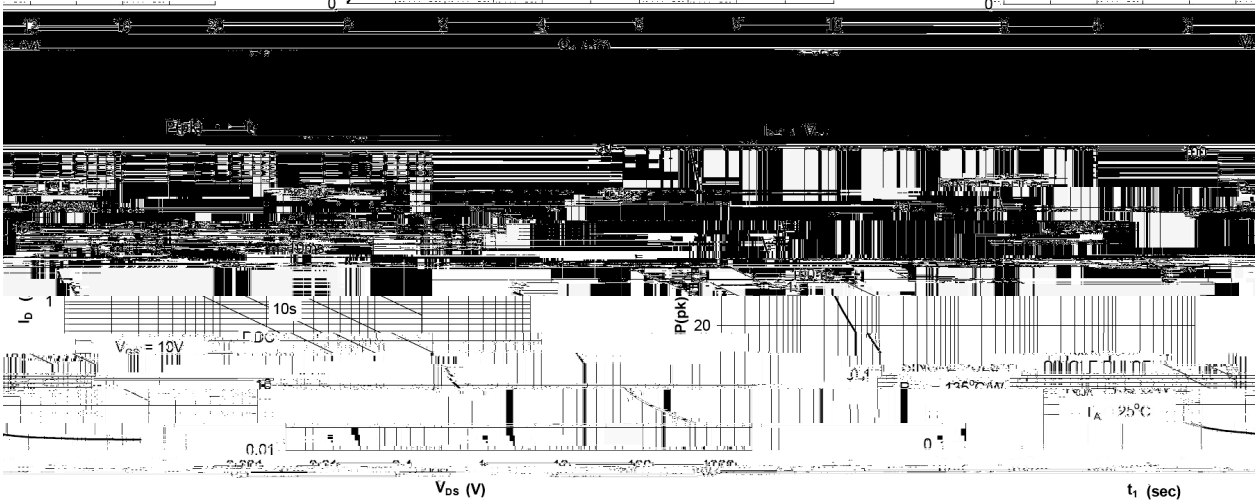
≤ μ ≤


3.0V
20
V_{GS} = 4.5V
3.5V
1.5V
1
0.04

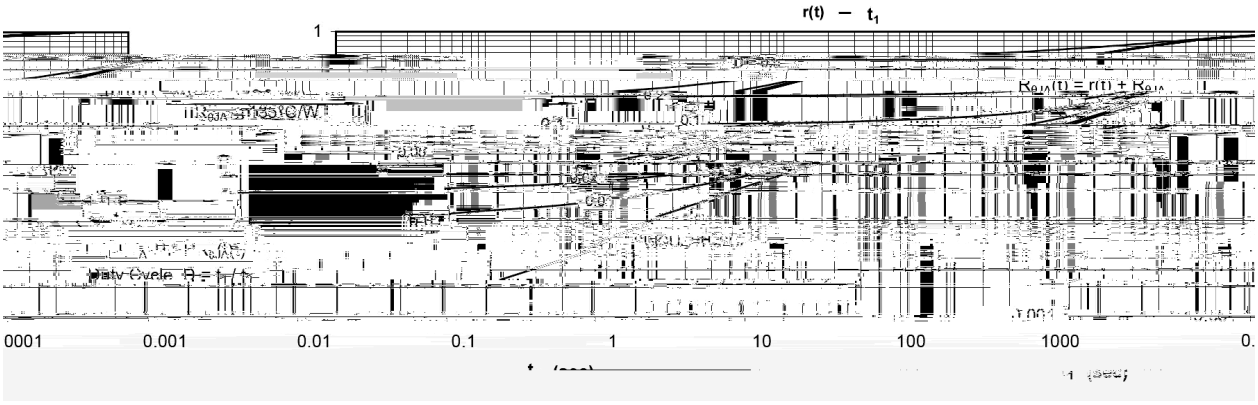

I_D – V_{GS}
20
V_{DS} = 5V
T_A = -55°C
25
25°C
5°C
10
0.001
0.0001
V_{GS} (V)
I_S – V_{SD}
100
V_{GS} = 0V
10
125°C
1
0.1
0
0.2
0.4
1.2
1.4
V_{SD} (V)



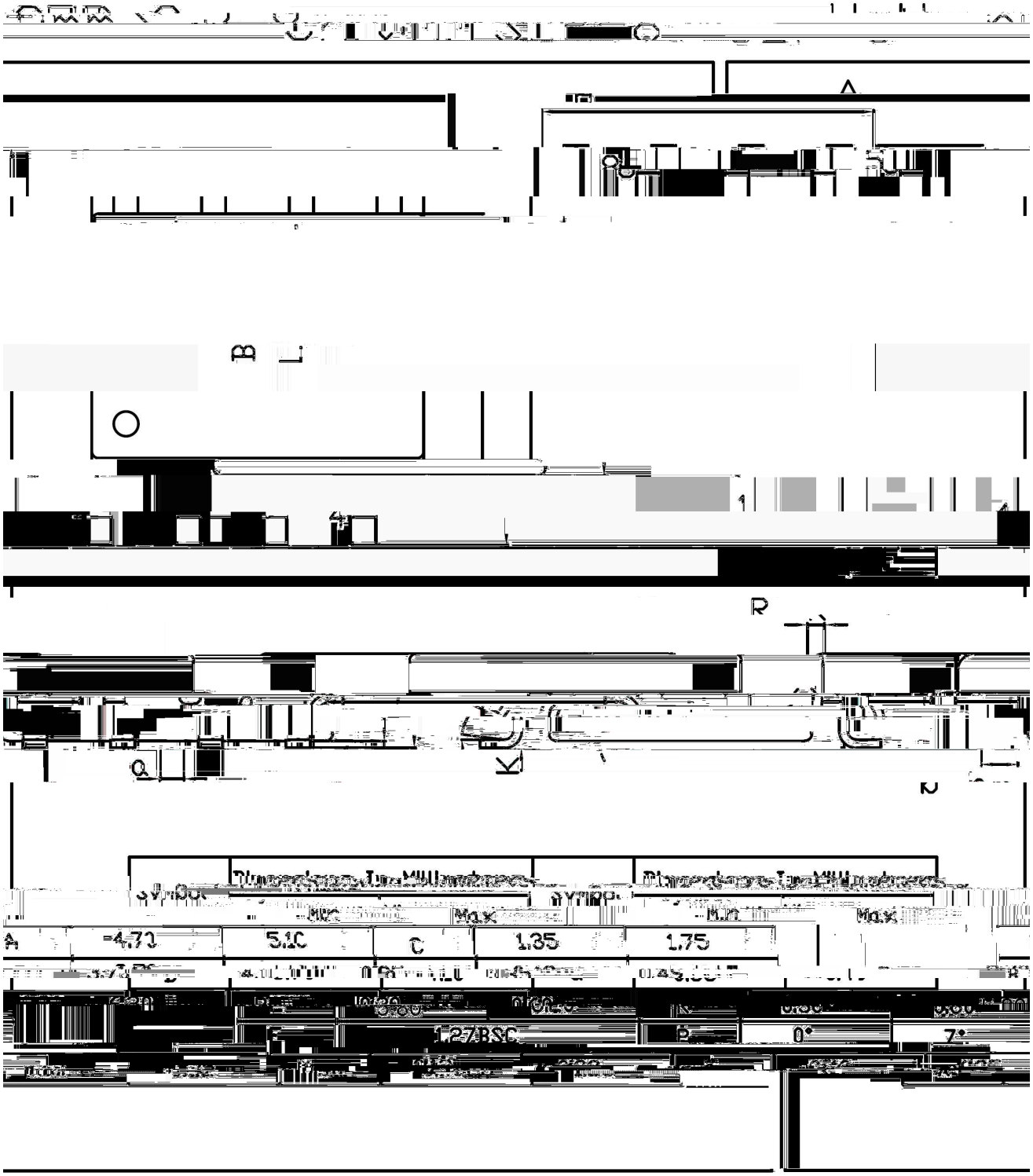
V_{GS} — Q_g
V_{DS} = 5V
1000
800
CAPA

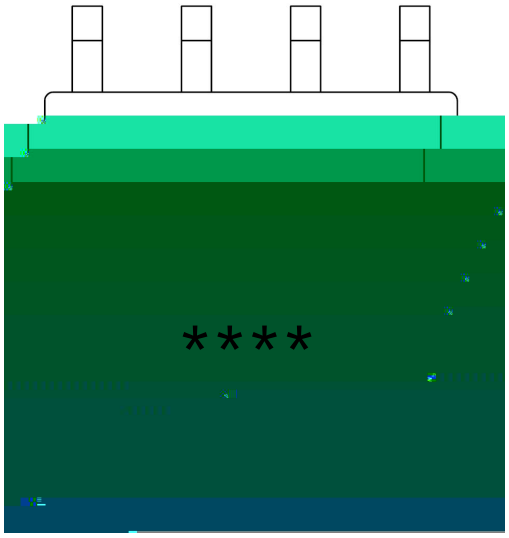


I_D
1
10s
V_{GS} = 10V
P(pk)
20
T_A = 25°C
0.01
V_{DS} (V)
t_1 (sec)



r(t) — t_1
1
$R_{\theta JA}(t) = r(t) + R_{\theta JA}$
Duty Cycle
0001
0.001
0.01
0.1
1
10
100
1000


A
B
R
Q
K
Max
Max
A
5.10
C
1.35
1.75
1.27BSC
0°
7°



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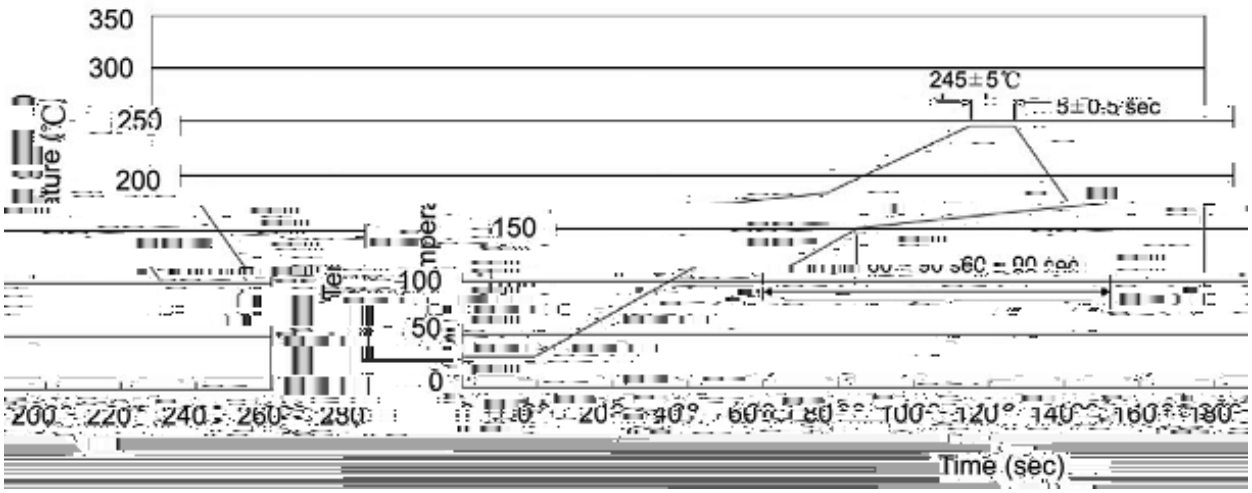
Temperature Profile for IR Reflow Soldering(Pb-Free)



± ± ± ±

± ±

	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOP/ESOP-8	4,000	2	8,000	6	48,000	13 ×12	360×360×50	380×335×366