"Yـ / Descriptions

TO-251 N MOS N-CHANNEL MOSFET in a TO-251 Plastic Package.

◕ È / Features

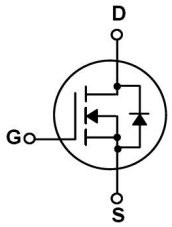
, $R_{DS(on)}$,

Low gate charge, Low ON Resistance, fast switching.

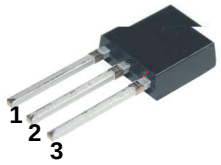
ᵛ ᵩ / Applications

Power switch circuit of adaptor and charger.

ᒪ ̊ ᵠ ᵡ ≠ ᵋ / Equivalent Circuit



ẵ ﾉ ᵘ̃ / Pinning



PIN1 G PIN 2 D PIN 3 S

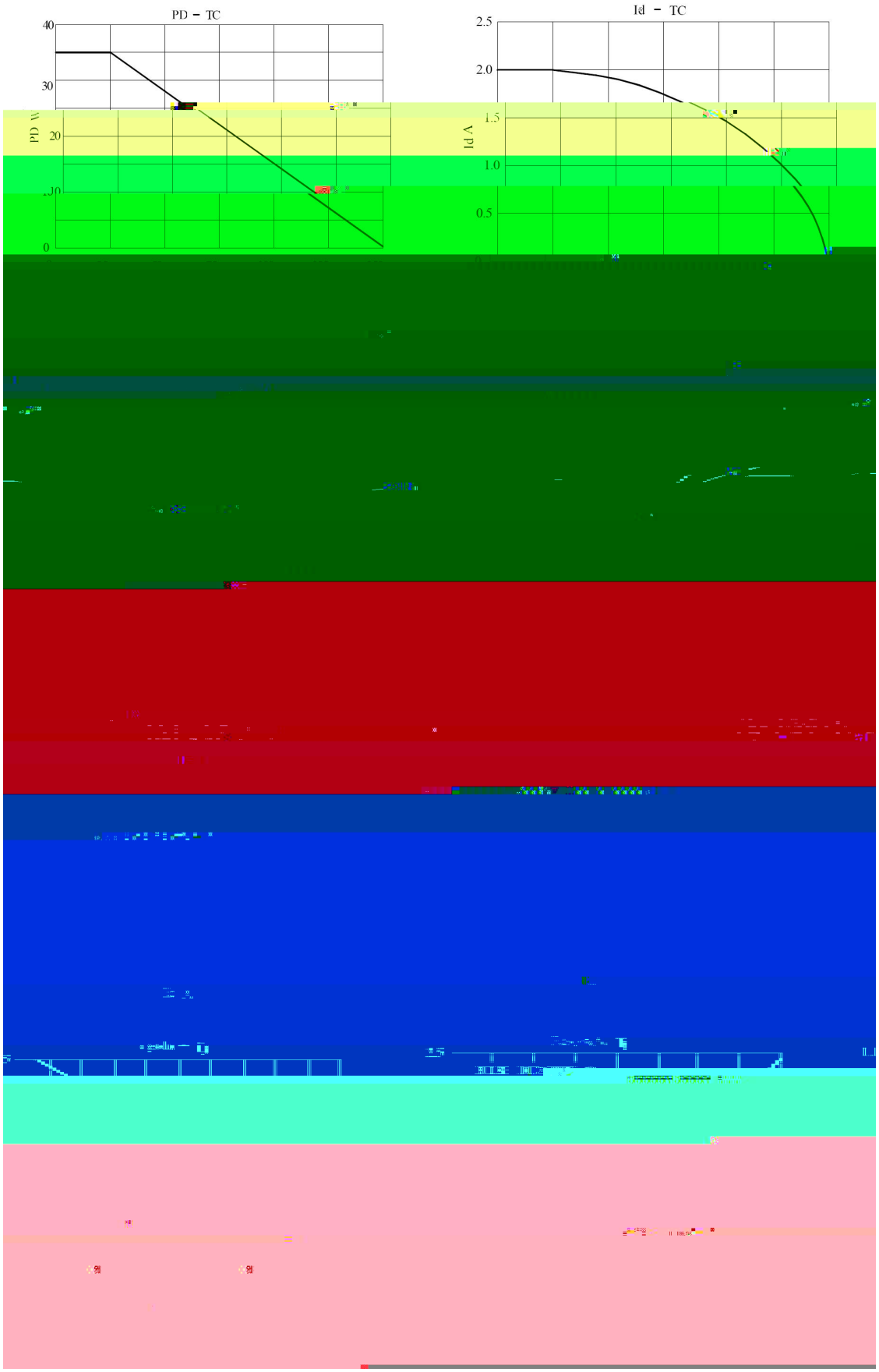
₺ ʜ ᵾ / Marking

See Marking Instructions.

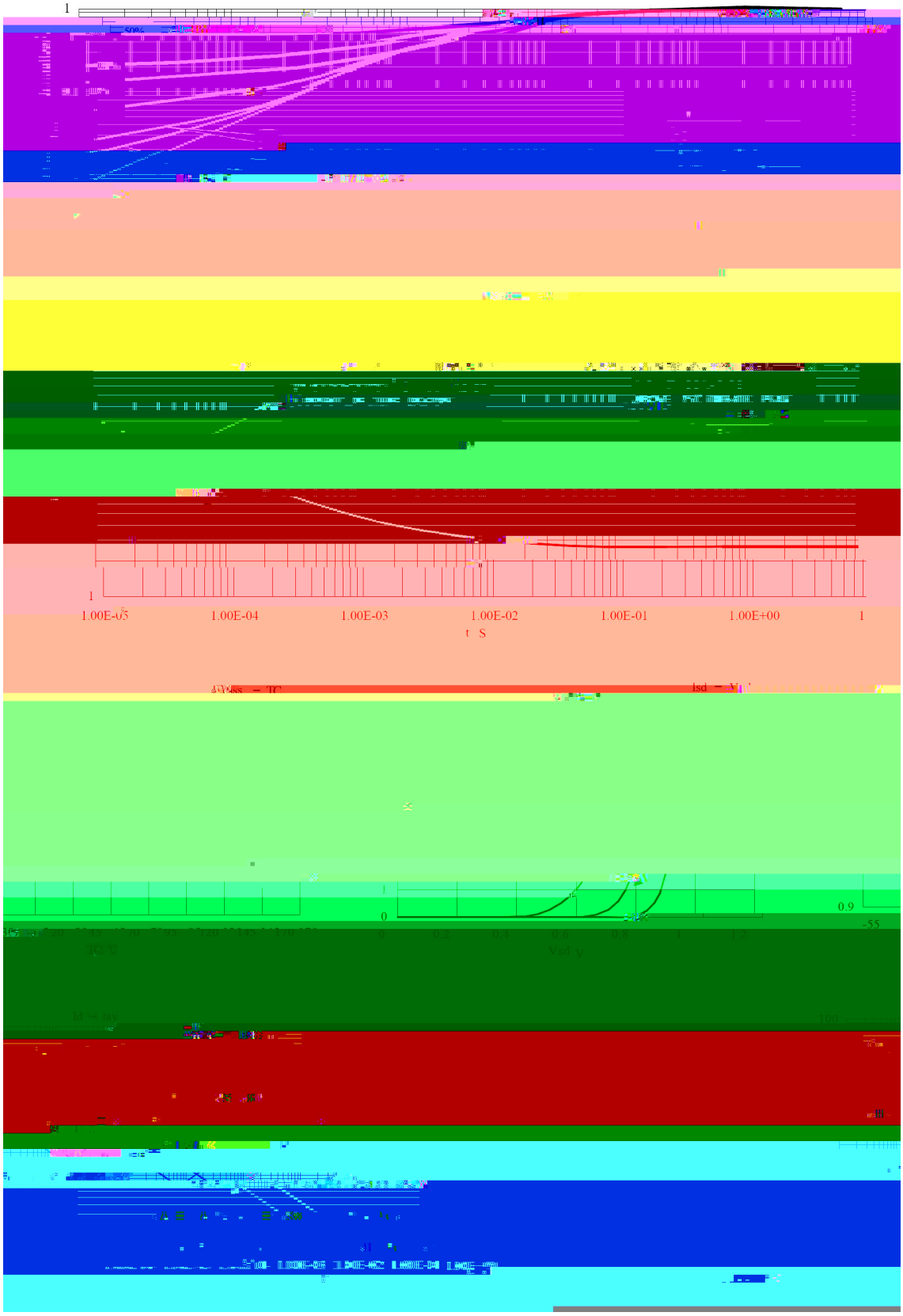
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	V_{DD}=350V I_D=2.0A V_{GS}=10V R_G=25Ω		7.8		ns
Turn-On Rise Time	t_r			5.5		ns
Turn-Off Delay Time	$t_{d(off)}$			33		ns
Turn-Off Fall Time	t_f			16		ns
Total Gate Charge	Q_g	I_D=2.0A V_{DD}=350V V_{GS}=10V		8.5		nC
Gate to Source Charge	Q_{gs}			1.5		nC

Gate to Drain (“ Miller ”

≠ ∃ ÃΈ ∀ ƒ / Electrical Characteristic Curve

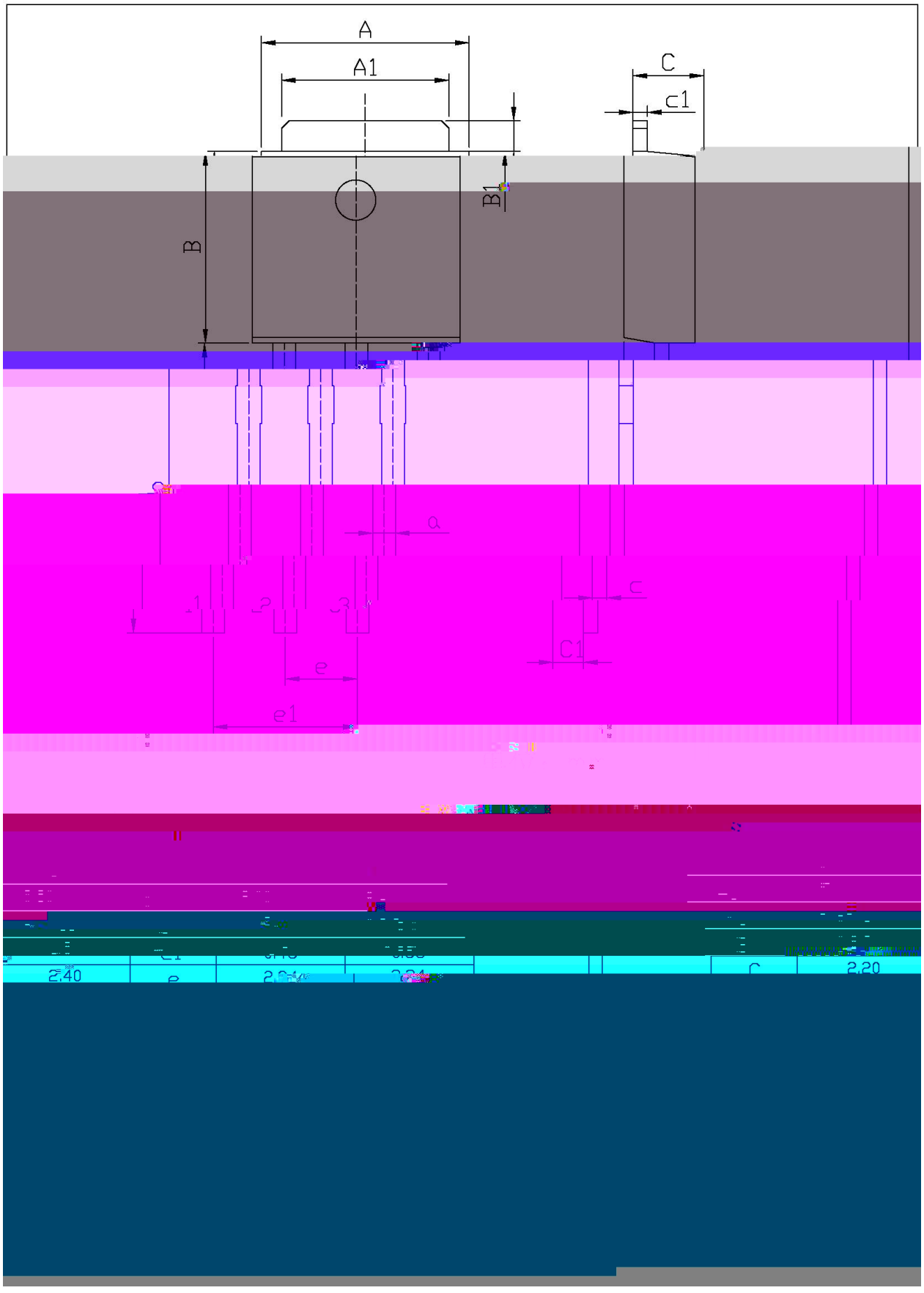


≠ ∃ ÃΈ ∀ ƒ / Electrical Characteristic Curve

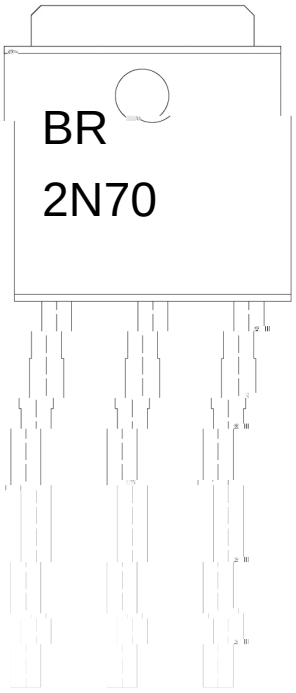


BRI2N70

ᵘ Ė Ò Ļ ʃ / Package Dimensions



ł. Ł‘Ω / Marking Instructions



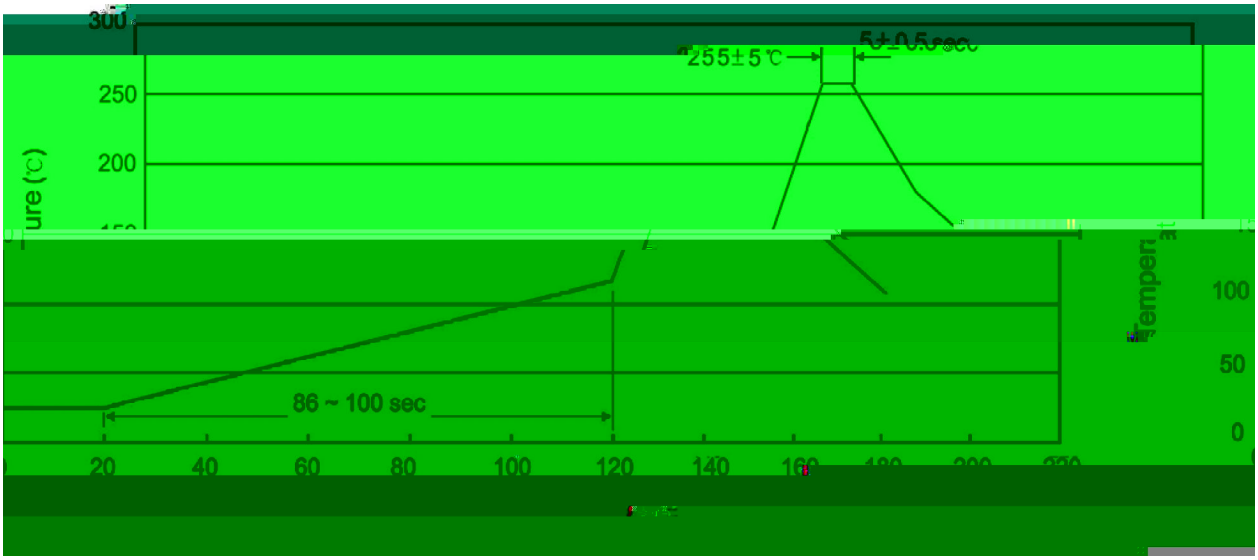
BR

2N70

****

Note:

BR:	Company Code
2N70:	Product Type.
****:	Lot No. Code, code change with Lot No.



					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		½60			