

BRD65R800C

Rev.A May.-2024



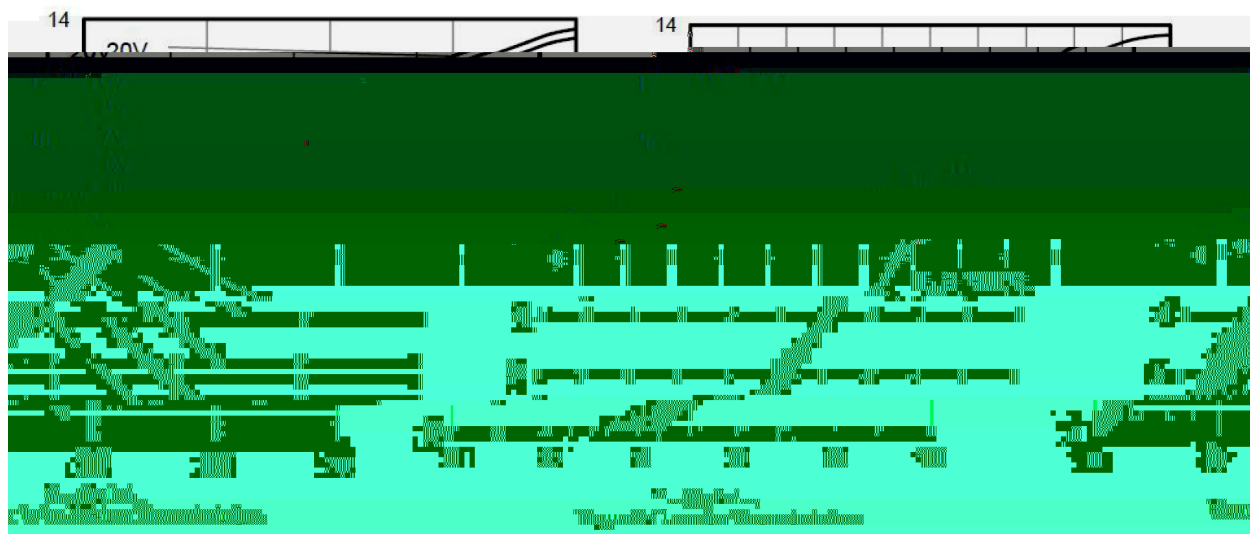
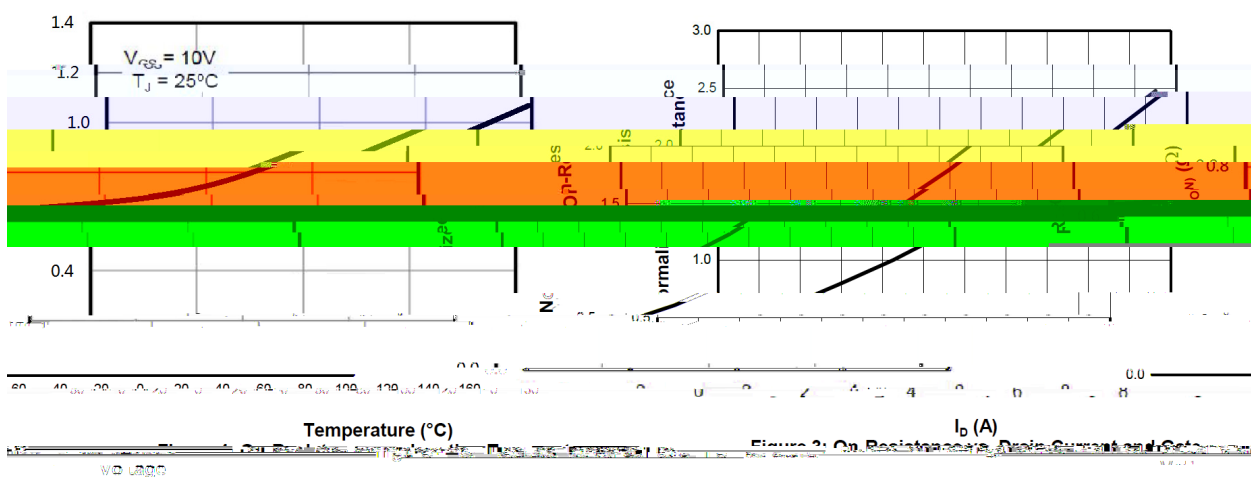
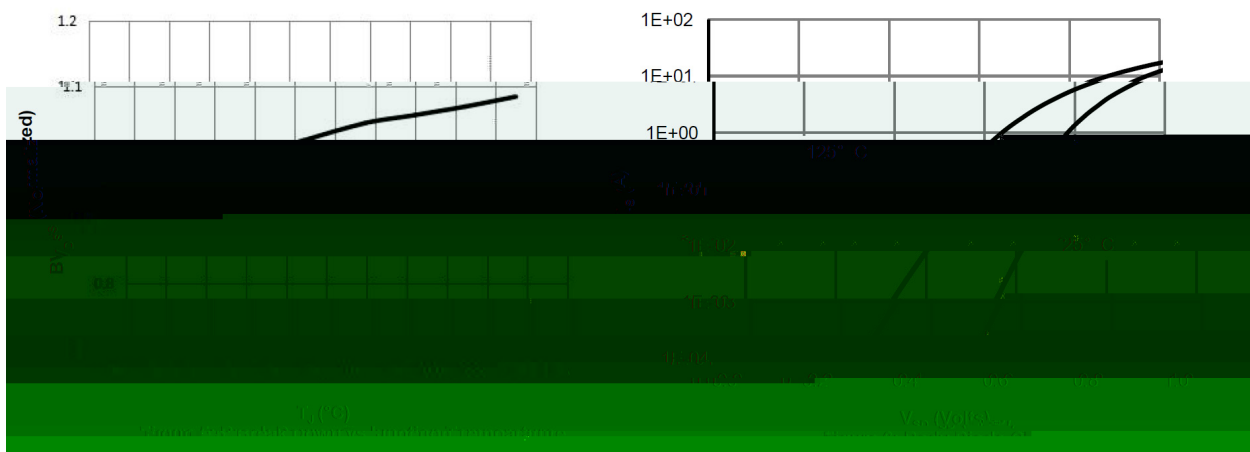
DATA SHEET

TO-252 .> // x N ?ú 3 650V

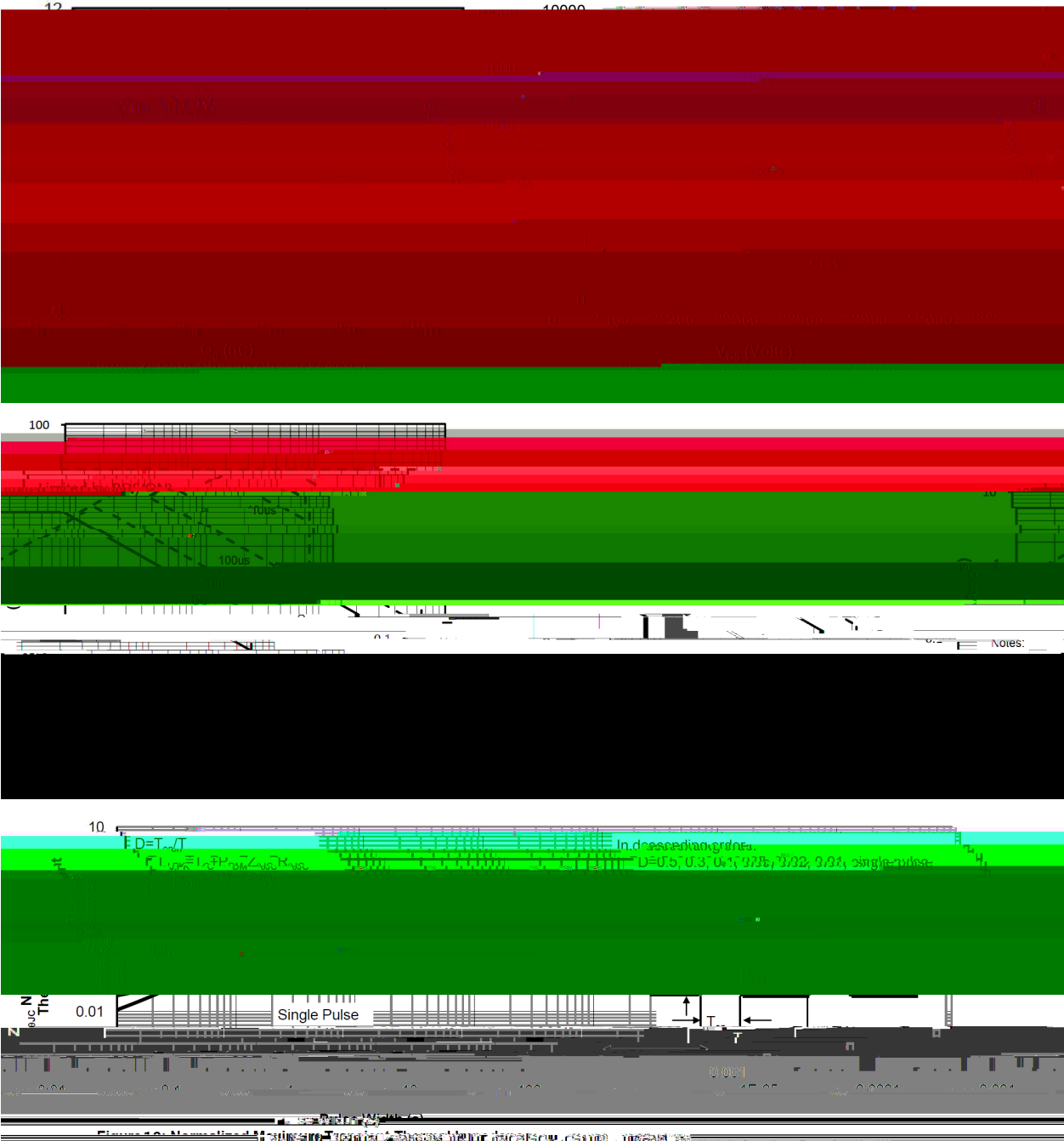
@ f Parameter	... Z Symbol	f > Rating	% y Unit
Drain-Source Voltage	V _{DSS}	650	V
Drain Current	I _D (T _c =25)	6	A
Drain Current - Pulsed	I _{DM}	24	A
Gate-Source Voltage	V _{GS}	±30	V
Single Pulsed Avalanche Energy	E _{AS}	50	mJ
Avalanche Current	I _{AS}	3.4	A
Power Dissipation	P _D (T _c =25)	45	W
Operating and Storage Temperature Range	T _J ,T _{STG}	-55 to 150	-
Junction-to-Ambient	R _{JA}	60	- /W
Junction-to-Case	R _{JC}	2.7	- /W

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Drain-Source Breakdown Voltage	BV _{DSS}	V _{GS} =0V I _D =250 A	650	690		V
Zero Gate Voltage Drain Current	I _{DSS}	V				

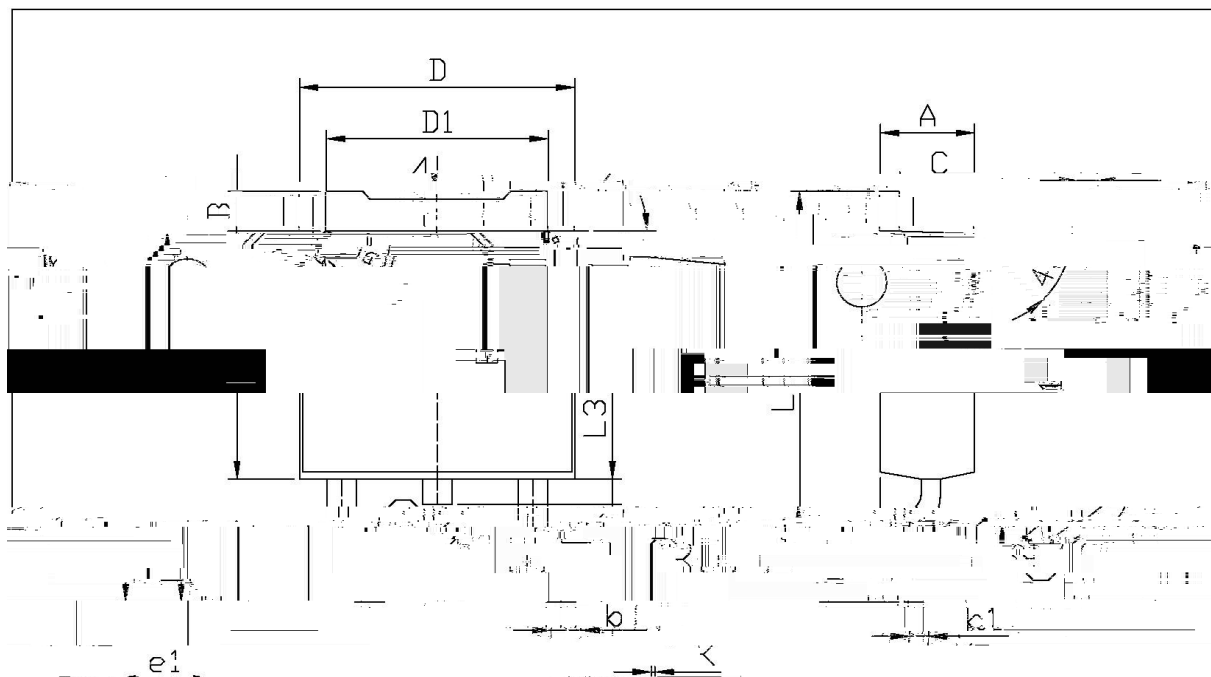
Electrical Characteristic Curve



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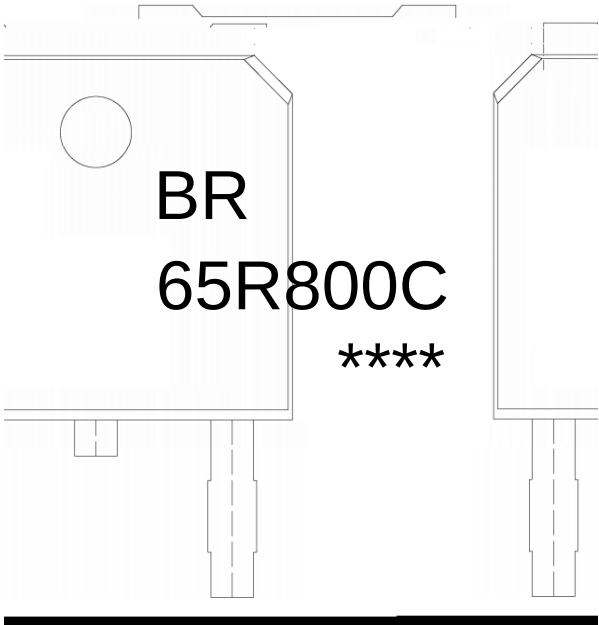
Package Dimensions



单位: mm

[illegible]

, M y f / Marking Instructions



^ ¢ y
BR y , [W A
8) y ° Z W A
y ŷ D Z W A k š ŷ D Z J

Note:
BR: Company Code
65R800C: Product Type Code
****: Lot No. Code, code change with Lot No

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

ª ¢ y

- 1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;
- 2o• Q > “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;
- 3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

- 1.Preheating:150~180 - , Time:60~90sec.
- 2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.
- 3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260±5 Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL