

BRCS080N03YA

Rev.A Jan.-2024

/ Descriptions

PDFN 3×3-8L N MOS

Double N-CHANNEL MOSFET in a PDFN 3×3-8L Plastic Package.

/ Features

$V_{DS}(V)=30V$ $I_D=40A$

$R_{DS(ON)}@10V<8m$ (Typ.7.5m)

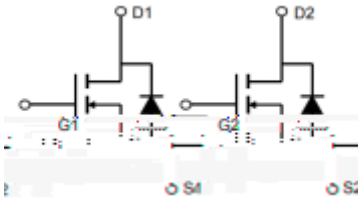
$R_{DS(ON)}@4.5V<15m$ (Typ.11m)

HF Product.

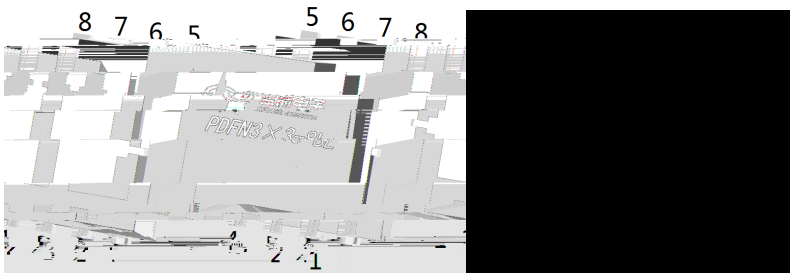
/ Applications

Battery protection switch, Mobile device battery charging and discharging, Load switch.

/ Equivalent Circuit



/ Pinning

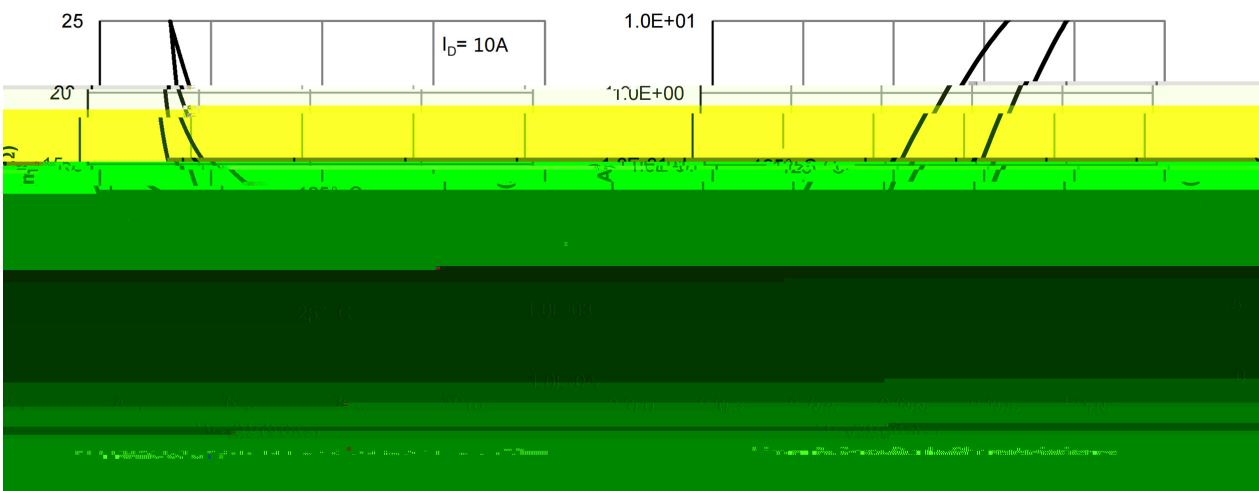
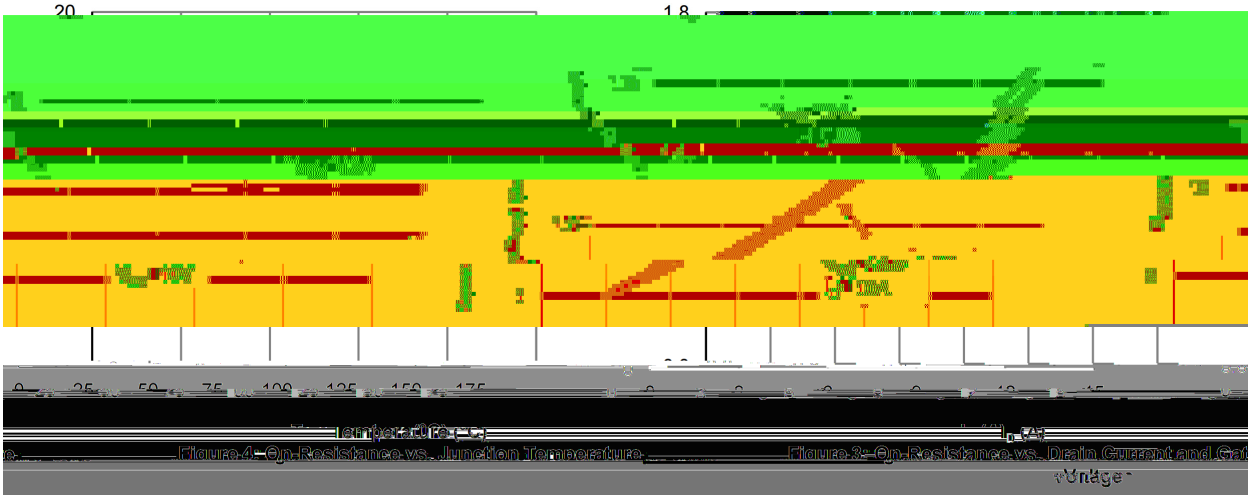
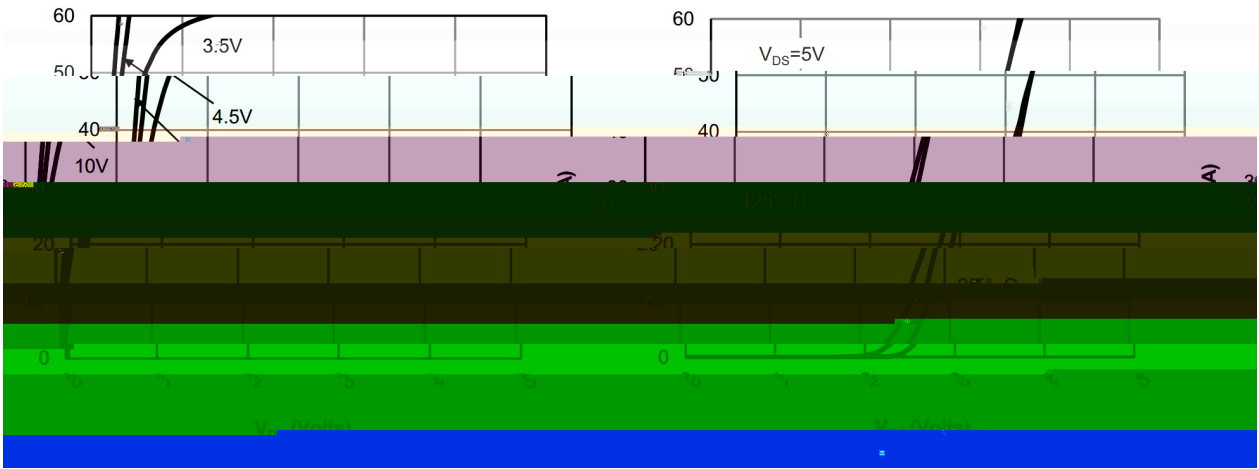


/ Marking

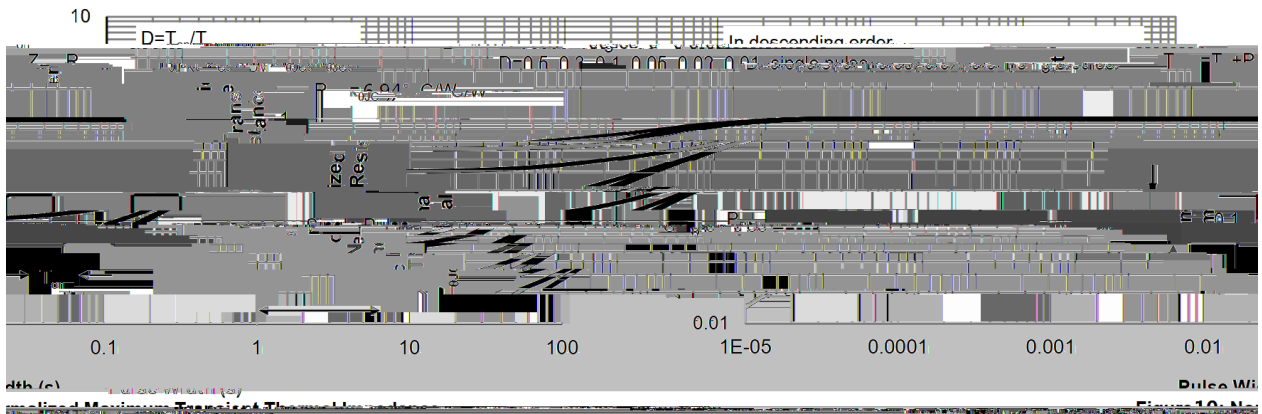
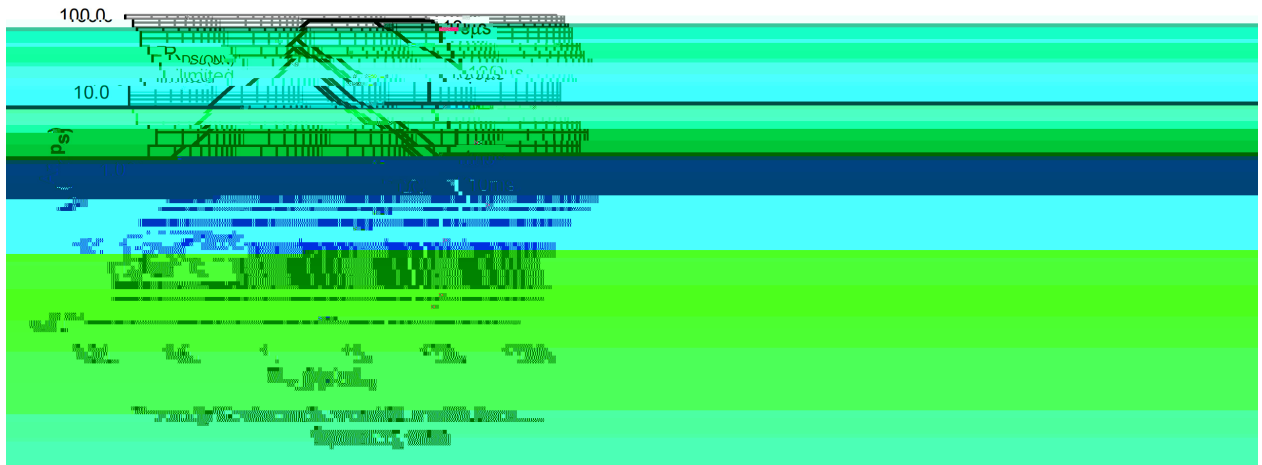
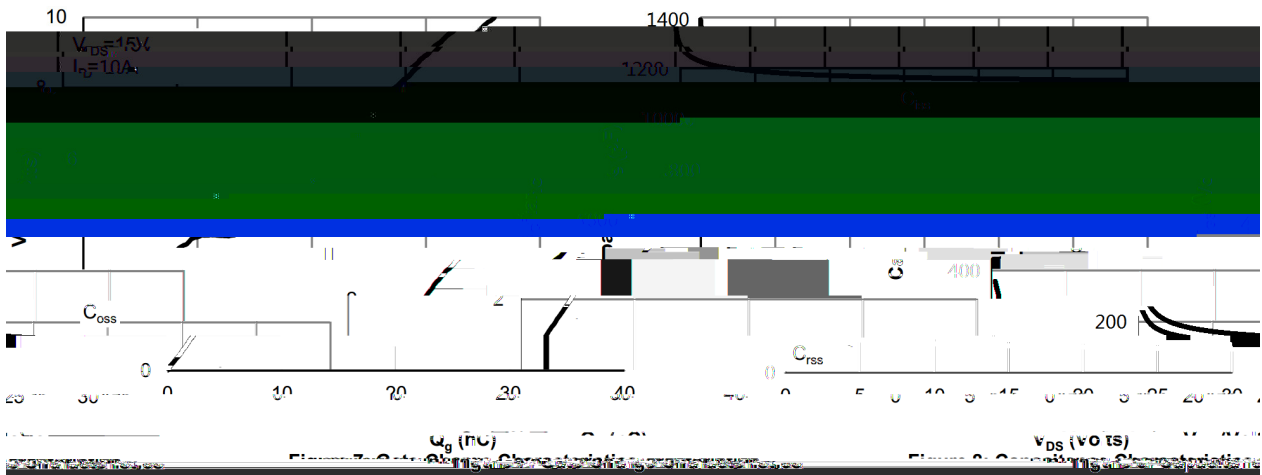
See Marking Instructions.

Parameter	Symbol	Rating
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/ Electrical Characteristic Curve



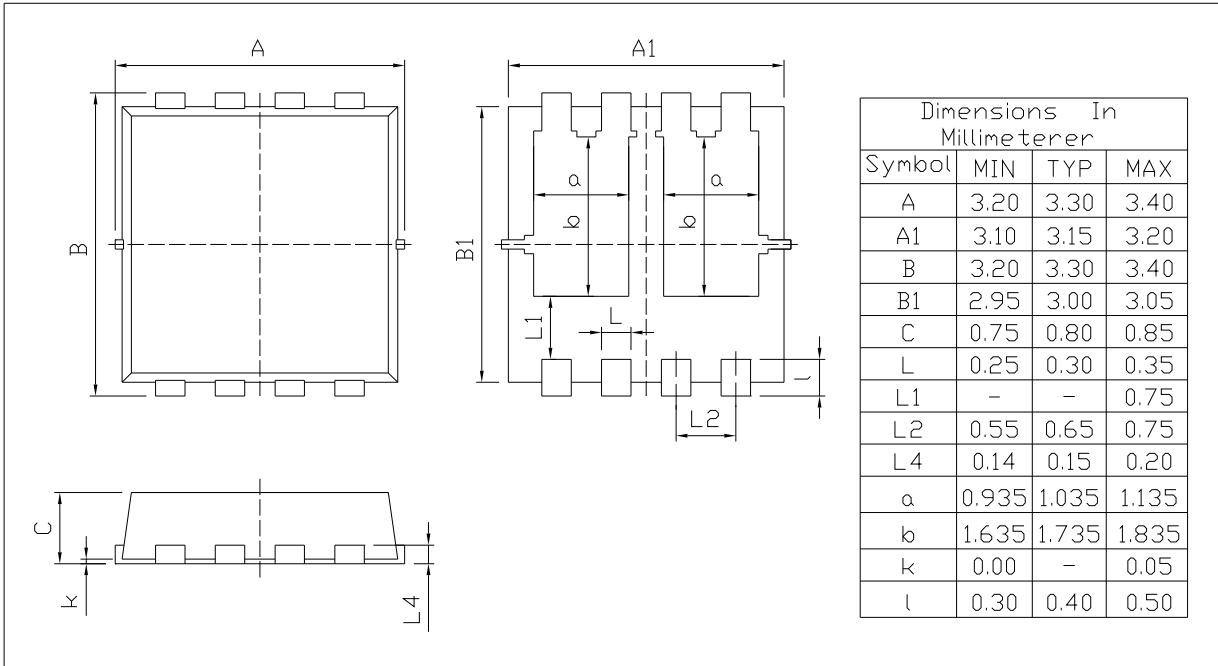
N- / N-CHANNEL Electrical Characteristic Curve



/ Package Dimensions

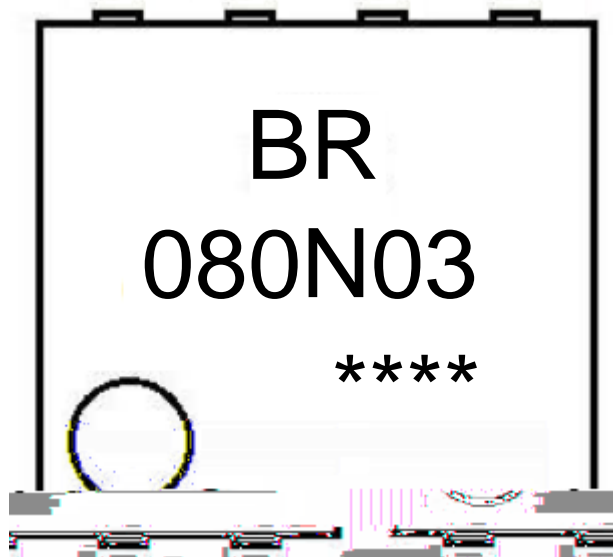
PDFN3X3-8L

Unit:mm



Rev.00 202011

/ Marking Instructions



BR

080N03

Note:

BR: Company Code

080N03: Product Type Code

****: Lot No. Code, code change with Lot No

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- | | | | |
|---|---------|-----------|---|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | 2 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box