

BRCS080C03YM

Rev.C Mar.-2024



DATA SHEET

PDFN5×6A

MOS

Complementary Enhancement MOSFET in a PDFN5 × 6A Plastic Package.

N-channel

$V_{DS}(V)=30V$

$I_D=39.5A$

$R_{DS(ON)}<10m_{\Omega}(V_{GS}=10V)$

$R_{DS(ON)}<15m_{\Omega}(V_{GS}=4.5V)$

HF Product.

P-channel

$V_{DS}(V)=-30V$

$I_D=-39A$

$R_{DS(ON)}<12m_{\Omega}(V_{GS}=-10V)$

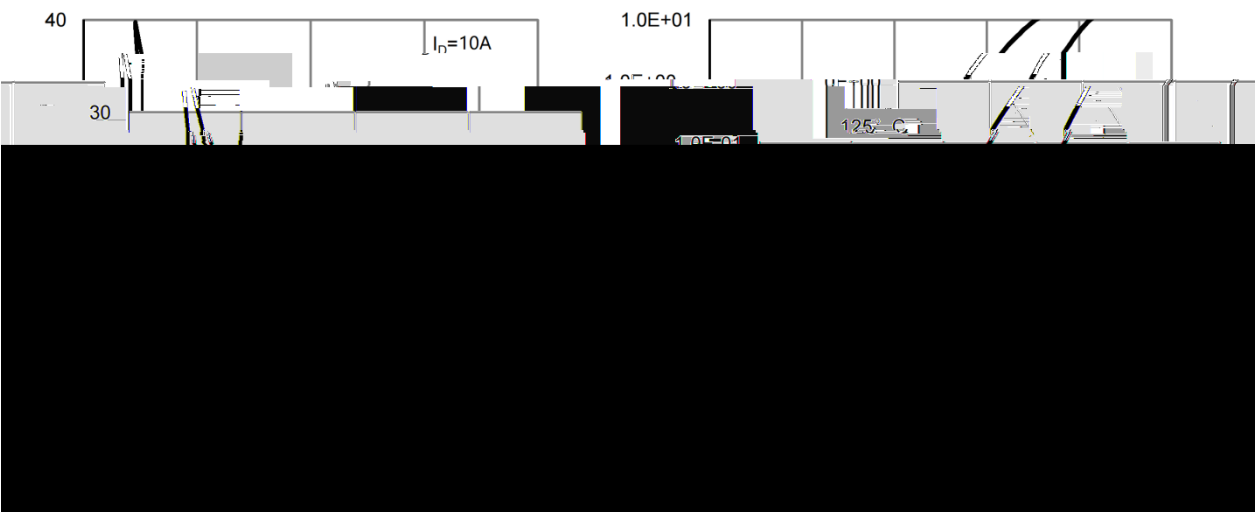
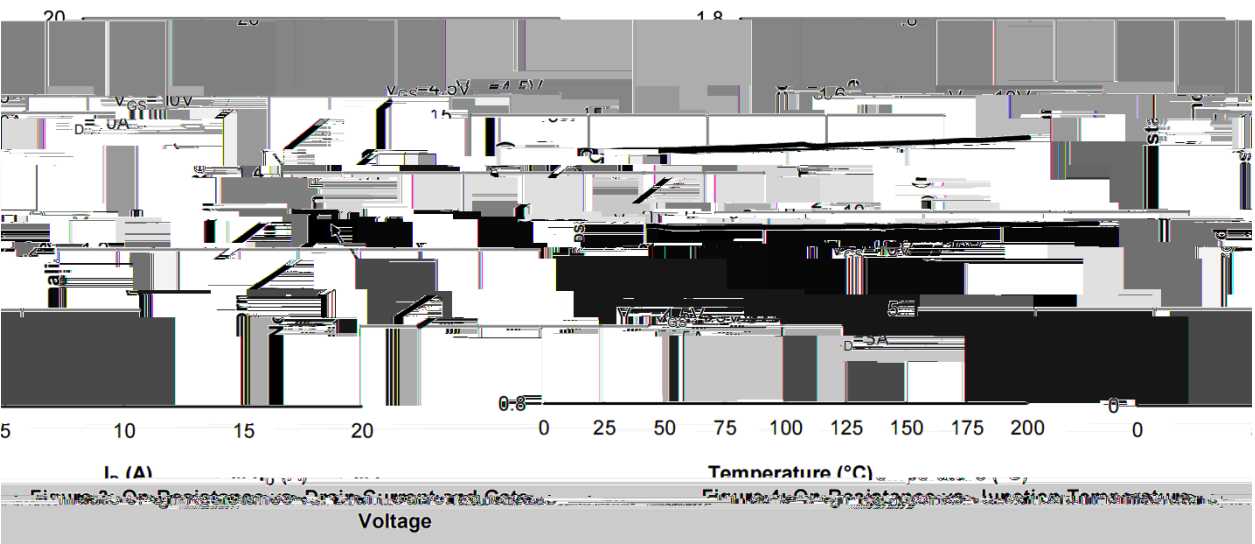
$R_{DS(ON)}<20m_{\Omega}(V_{GS}=-4.5V)$

DC/DC

These devices are well suited for 1

BRCS080C03YM

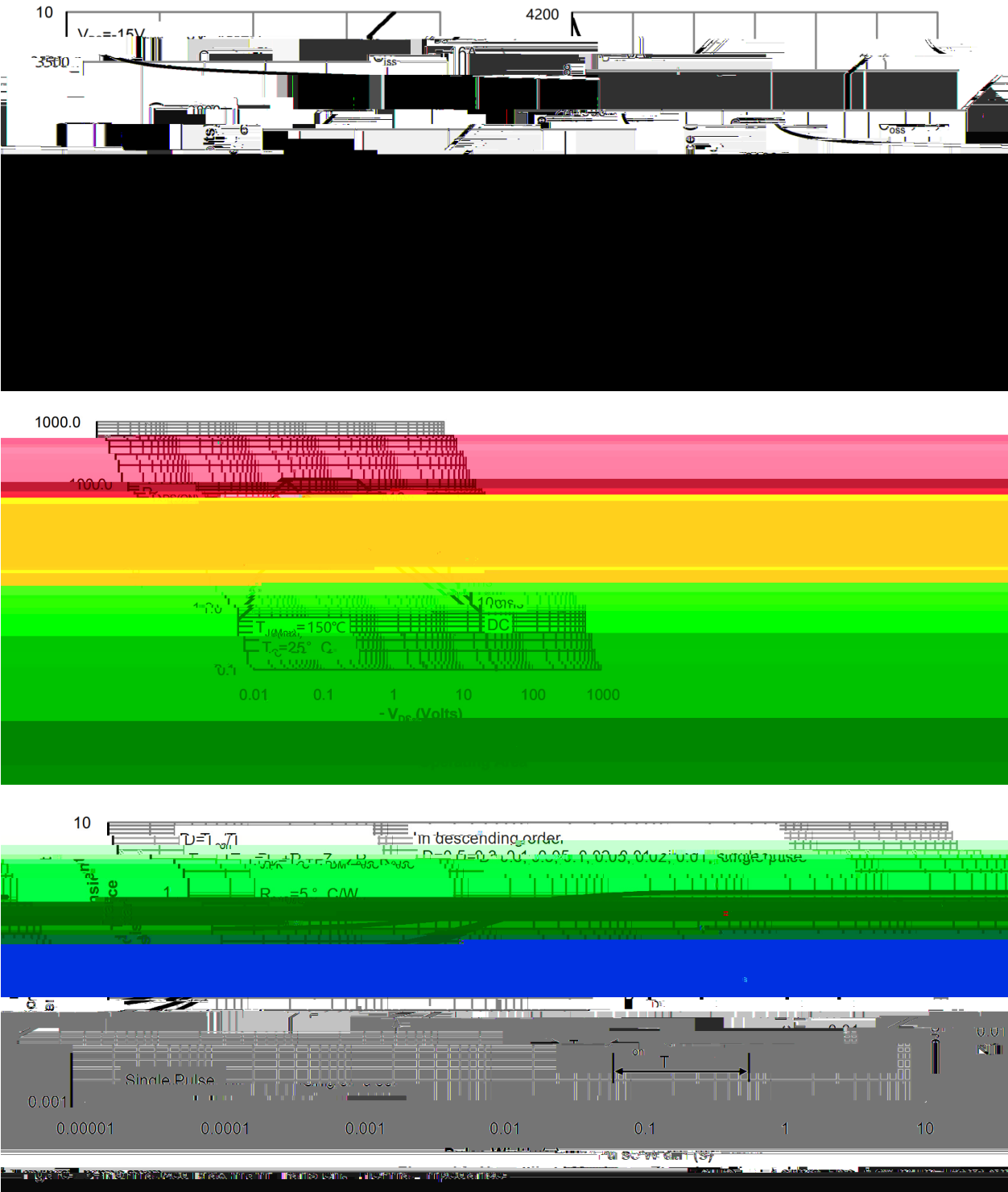
N- / N-CHANNEL Electrical Characteristic Curve



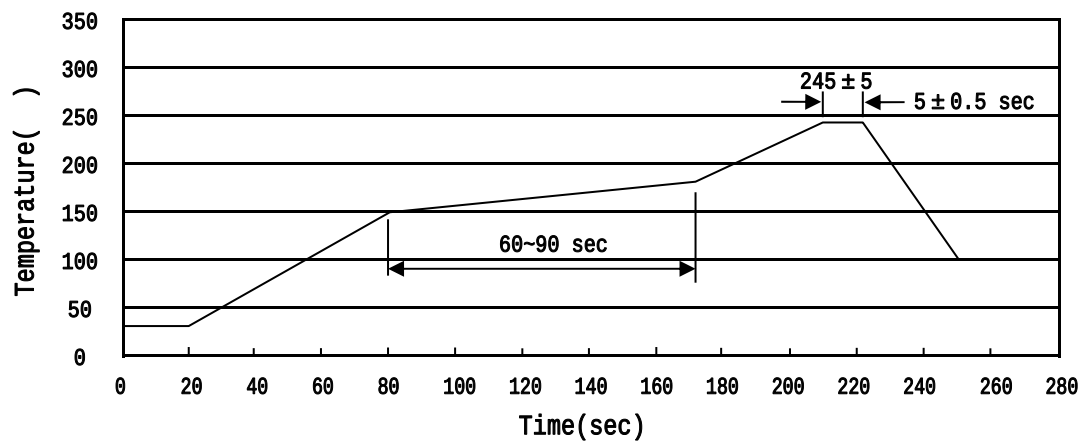
BRCS080C03YM

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown						

P- / P-CHANNEL Electrical Characteristic Curve



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



Note:

- | | | | | | |
|---|-------|-----|----|-----------|--|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 °C , Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5 °C , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 °C/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
PDFN5×6A	5,000	2	10,000	6	60,000	13"×12	360×360×50	380×335×366

/ Notices