

# BRCS045N10SHBD

Rev.A Feb.-2023

TO-263 N  
N-CHANNEL MOSFET in a TO-263 Plastic Package.

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Feb.-2023



**蓝箭电子**  
BLUE ROCKET ELECTRONICS

DATA SHEET

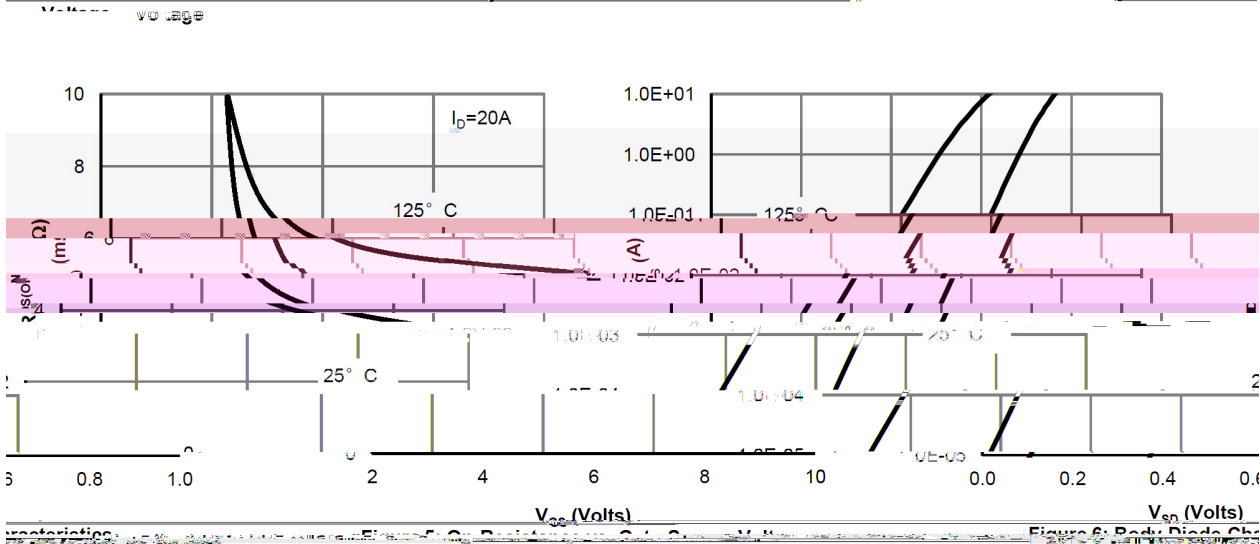
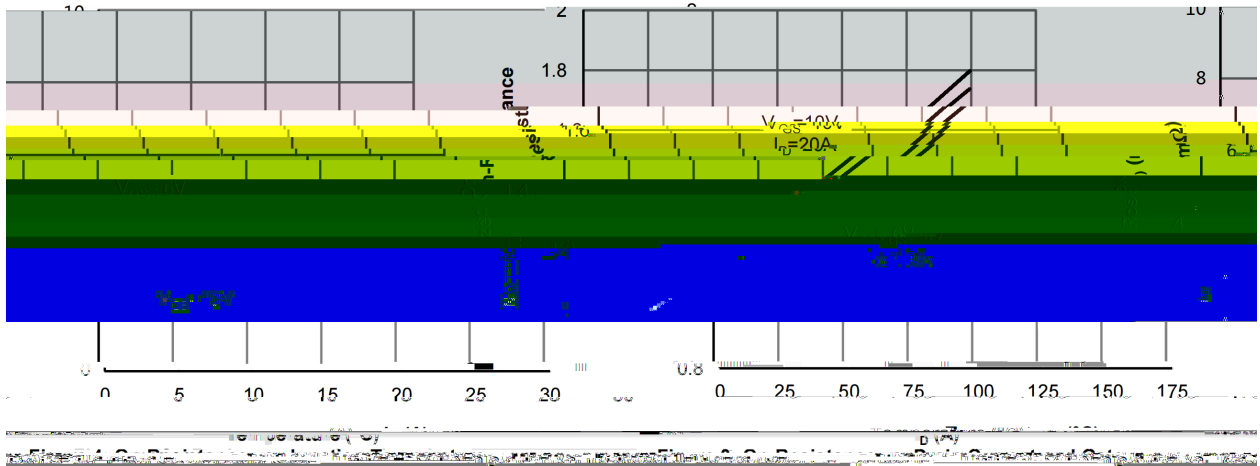
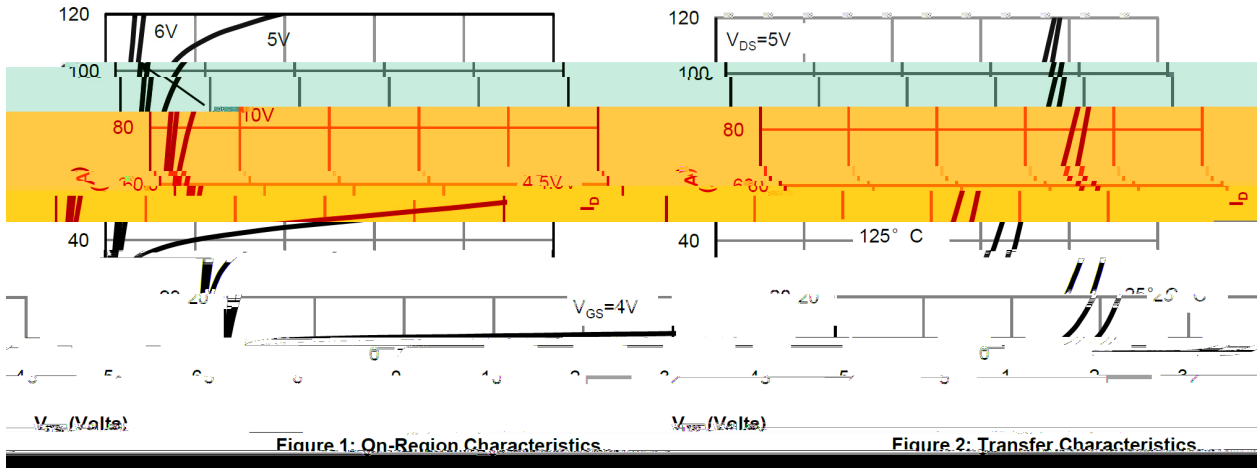
Parameter	Symbol	Rating	Unit
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Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=50V$ $R_L=2.5$ $R_{GEN}=3$		27		ns
Turn-On Rise Time	$t_r$			20		
Turn-Off Delay Time	$t_{d(off)}$			50		
Turn-Off Fall Time	$t_f$			25		

**/ Electrical Characteristic Curve**



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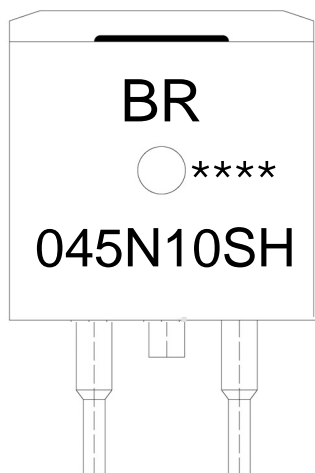
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**DATA SHEET**

**/ Marking Instructions**



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Note:

BR: Company Code

045N10SH: Product Type

\*\*\*\*: 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 <sup>3</sup> )		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
TO-263	800	1	800	6	4,800	13 x24	360x360x50	380x335x366

**/ TUBE**

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box