

BRCS045N10SHBD

Rev.A Feb.-2023



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

TO-263 N-CHANNEL MOSFET

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

Характеристики / Features

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<div>v "Ω</div> <div>Parameter</div>	<div>† N</div> <div>Symbol</div>	<div>"Ω Æ</div> <div>Rating</div>	<div>D H</div> <div>Unit</div>
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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 =2.5Ω R _{GEN} =3Ω		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

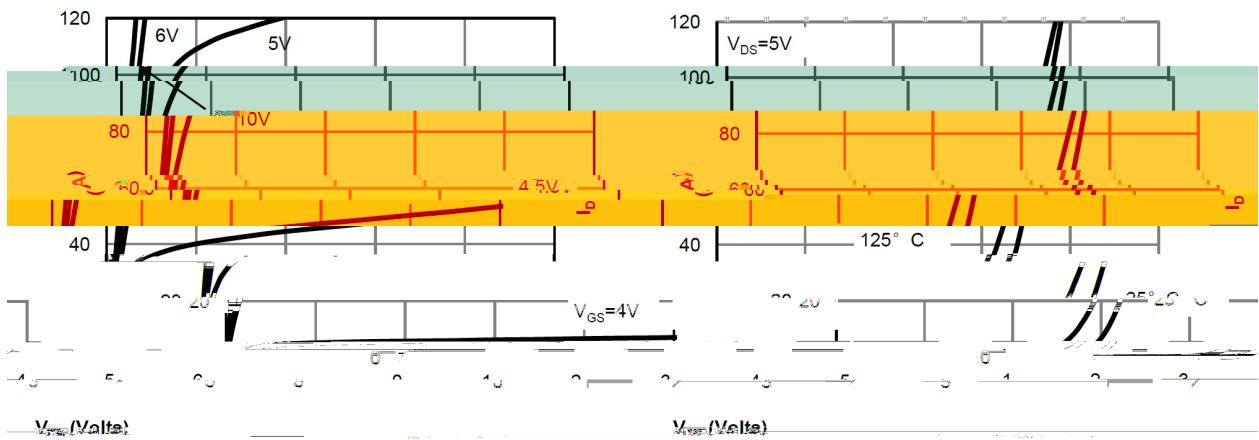


Figure 1: On-Region Characteristics

Figure 2: Transfer Characteristics

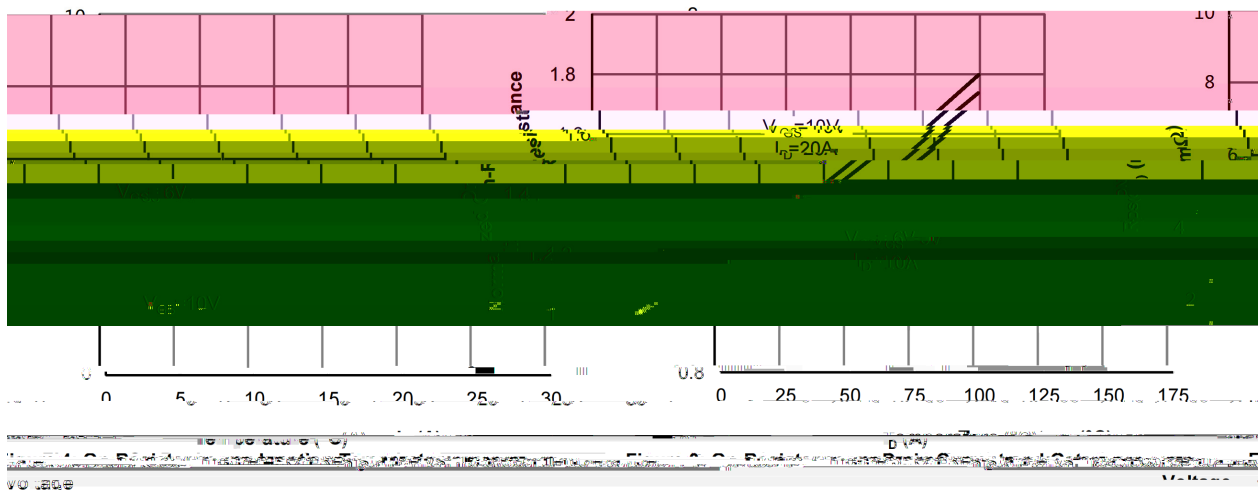
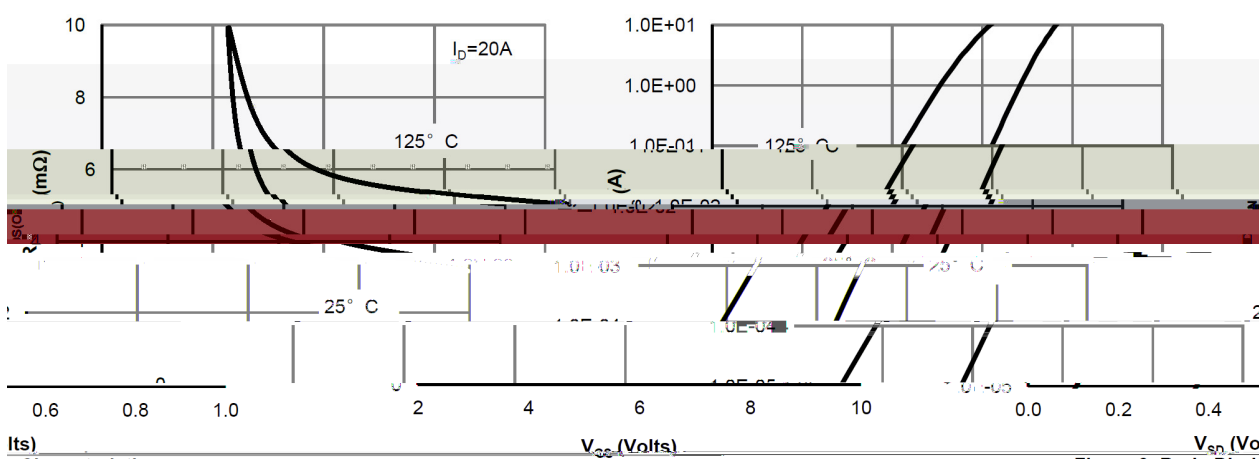
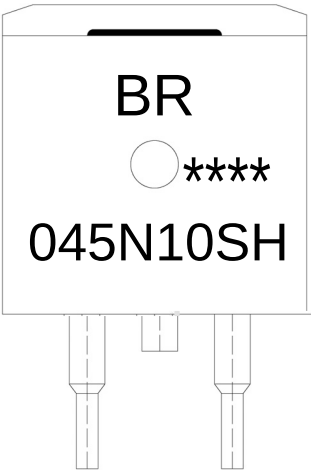


Figure 5: On-Region Characteristics

Figure 6: Transfer Characteristics

Figure 6: Transfer Characteristics

/ Marking Instructions



公司代码

EU 符合 RoHS 指令

378Q43VK 符合 RoHS 指令

---- 符合 RoHS 指令 且符合 REACH 指令

Note:

BR: Company Code

045N10SH: Product Type

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


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

1. 150~180℃, Time: 60~90sec;

2. 245±5℃, Duration: 5±0.5sec;

3. Cooling Speed: 2~10℃/sec.

Note:

1.Preheating:150~180℃, Time:60~90sec.

2.Peak Temp.:245±5℃, Duration:5±0.5sec.

3. Cooling Speed: 2~10℃/sec.

/ Resistance to Soldering Heat Test Conditions

1. 260±5℃

2. 10±1 sec.

Temp.:260±5

Time:10±1 sec

/ Packaging SPEC.

1. 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
TO-263	800	1	800	6	4,800	13 ×24	360×360×50	380×335×366

2. TUBE

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