

BRCS045N10SHBD

Rev.A Feb.-2023

TO-263 氮化镓 MOSFET

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

产品型号/封装形式

BRCS045N10SHBD TO-263

产品系列 EPV

CS045N10SHBD
Feb.-2023

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 =2.5Ω 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

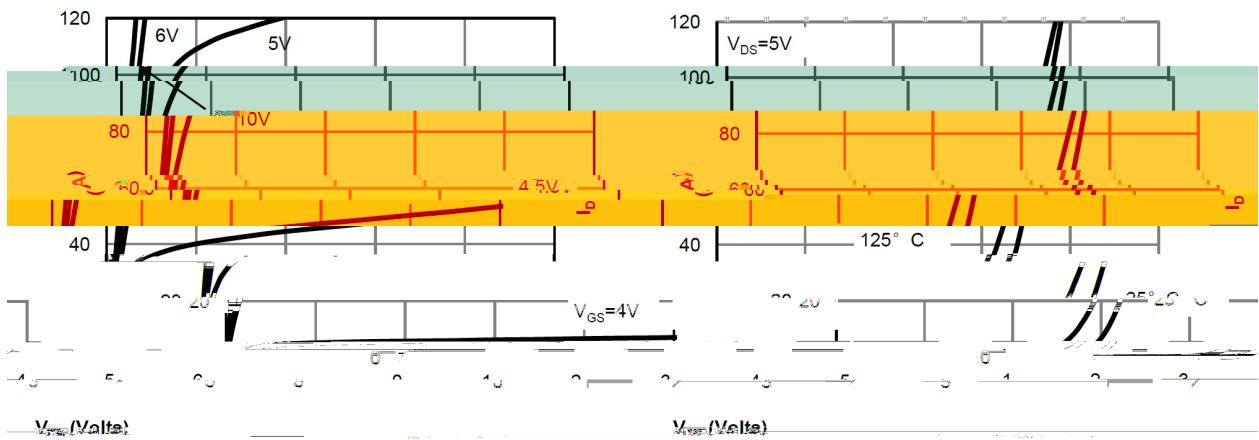


Figure 1: On-Region Characteristics

Figure 2: Transfer Characteristics

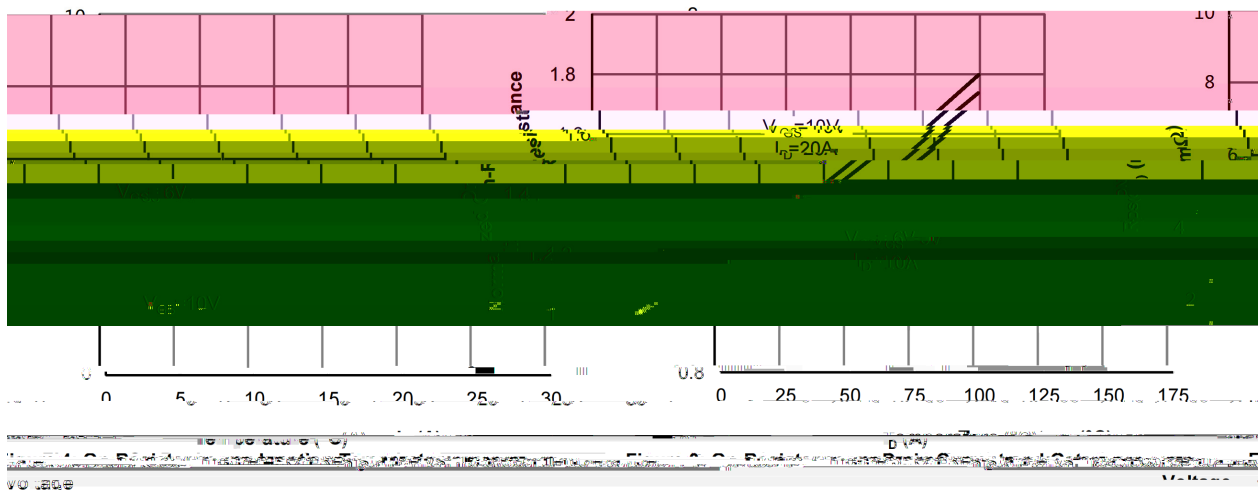
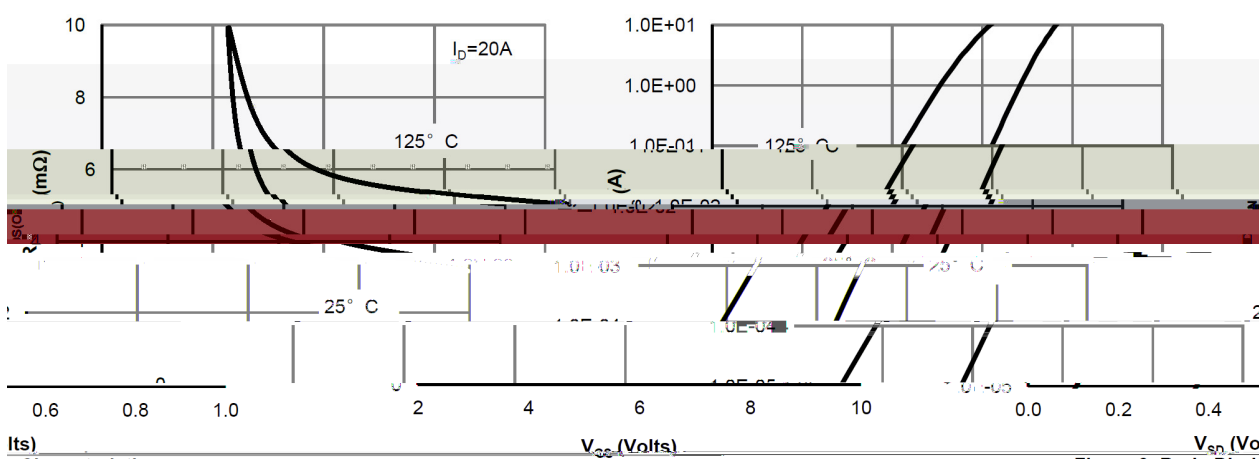
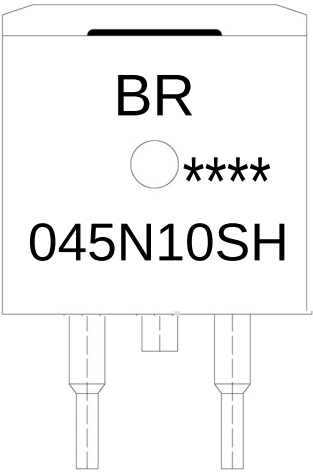


Figure 5: On-Region Characteristics

Figure 6: Transfer Characteristics

Figure 6: Transfer Characteristics

/ Marking Instructions



公司代码

EU 公司代码

378Q43VK 公司代码

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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)

١. ٢. ٣.

1. 150~180 °C, Time: 60~90sec;
2. 245 °C ± 5 °C, Duration: 5 ~ 0.5sec;
3. Cooling Speed: 2~10 °C /sec.

Note:

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

/ Resistance to Soldering Heat Test Conditions

١. 260 °C ± 5 °C, Time: 10 ± 1 sec. Temp.: 260 ± 5 °C Time: 10 ± 1 sec

/ Packaging SPEC.

١. ٢. ٣. / 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

١. ٢. ٣. / 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