

BRCS070P03BD

Rev.A May.-2024



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

TO-263 P

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

$V_{DS} = -30V$ $I_D = -98A$

$R_{DS(on)} @ -10V \leq 7.0m\Omega$ (Type. 6.7m Ω)

$R_{DS(on)} @ -4.5V \leq 15m\Omega$ (Type. 9.0m Ω)

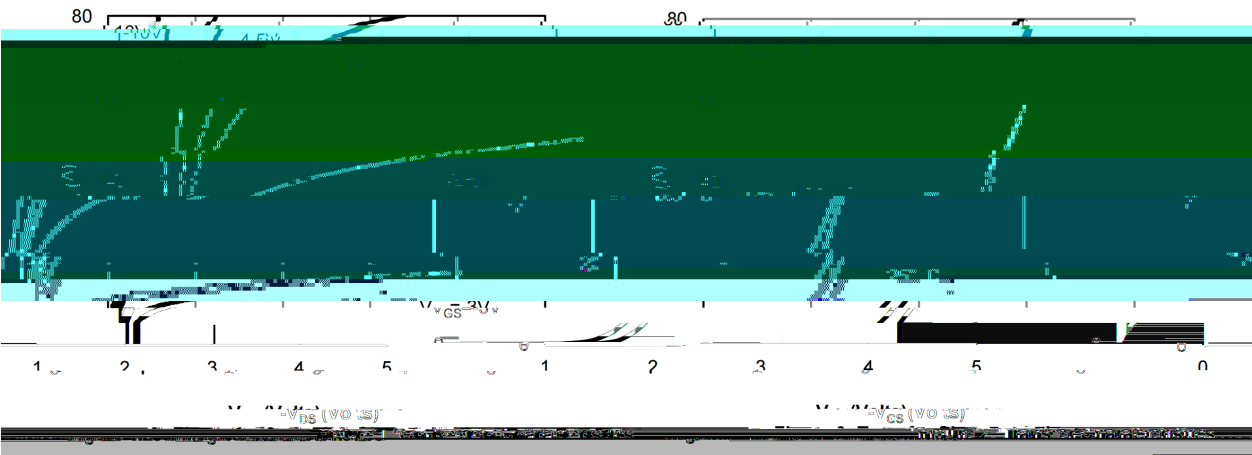
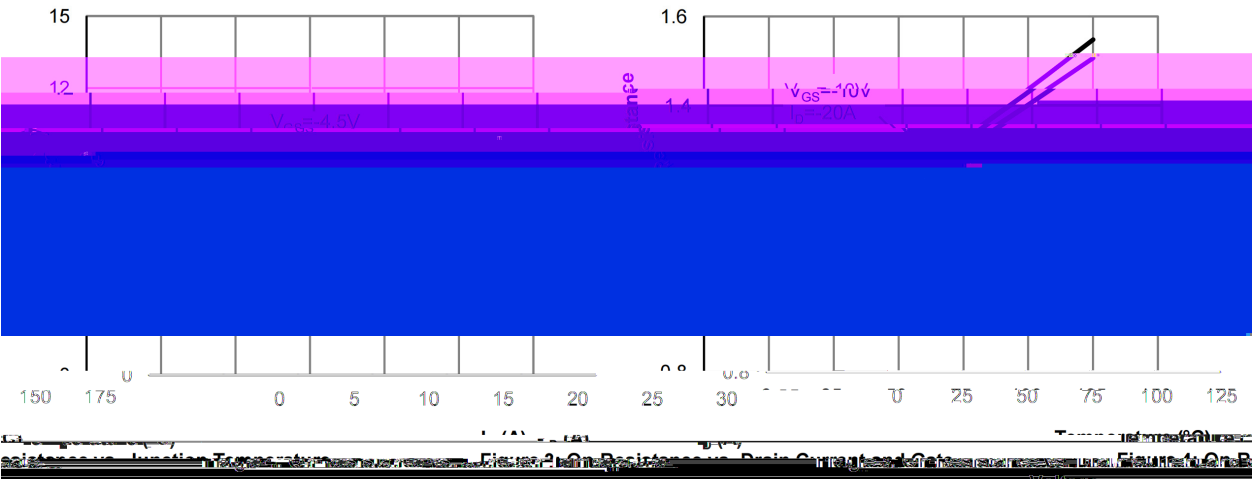
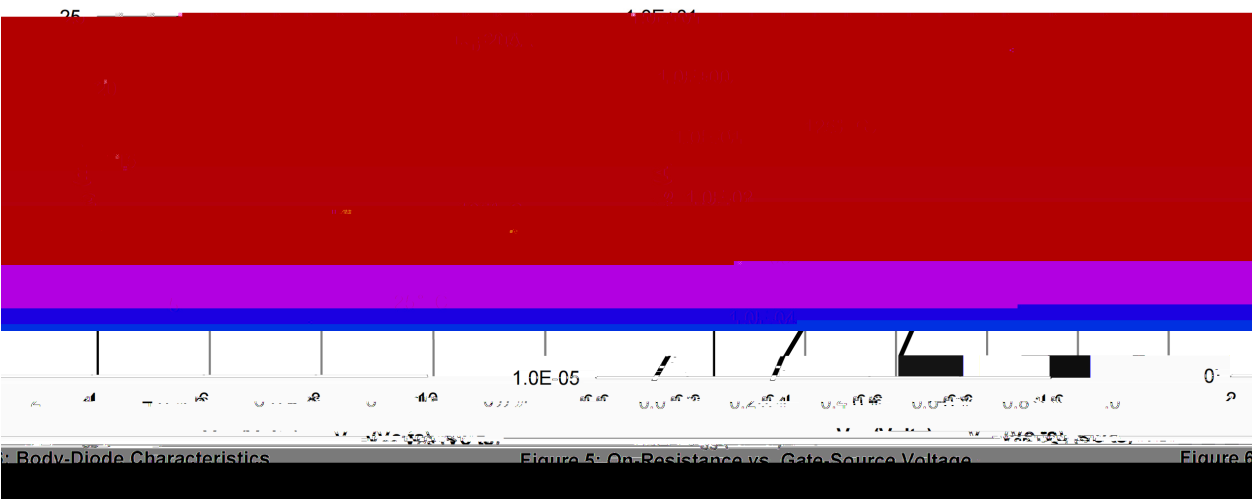
HF Product.

Parameter	Symbol	Rating	Unit
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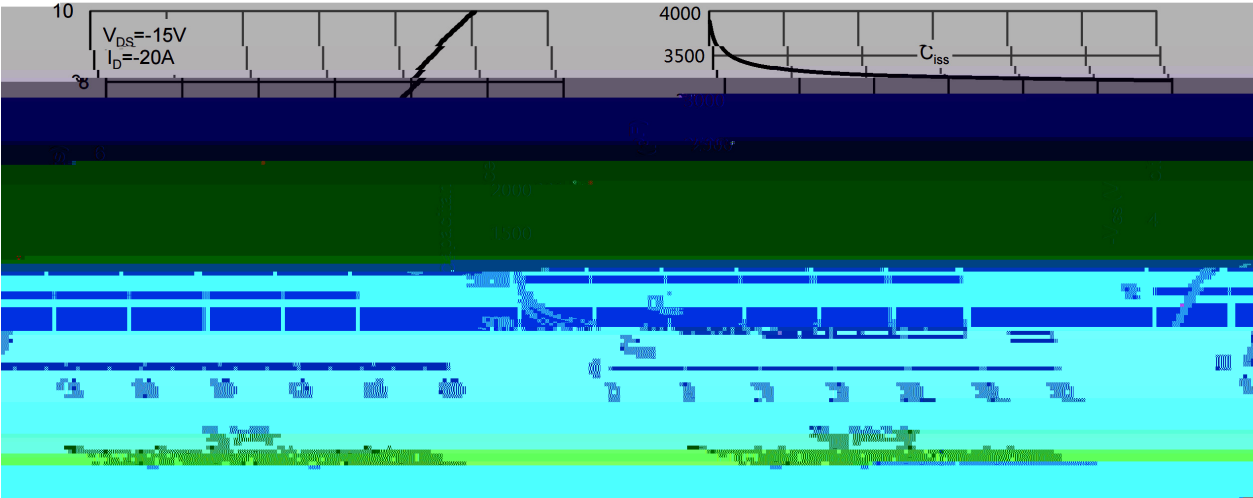
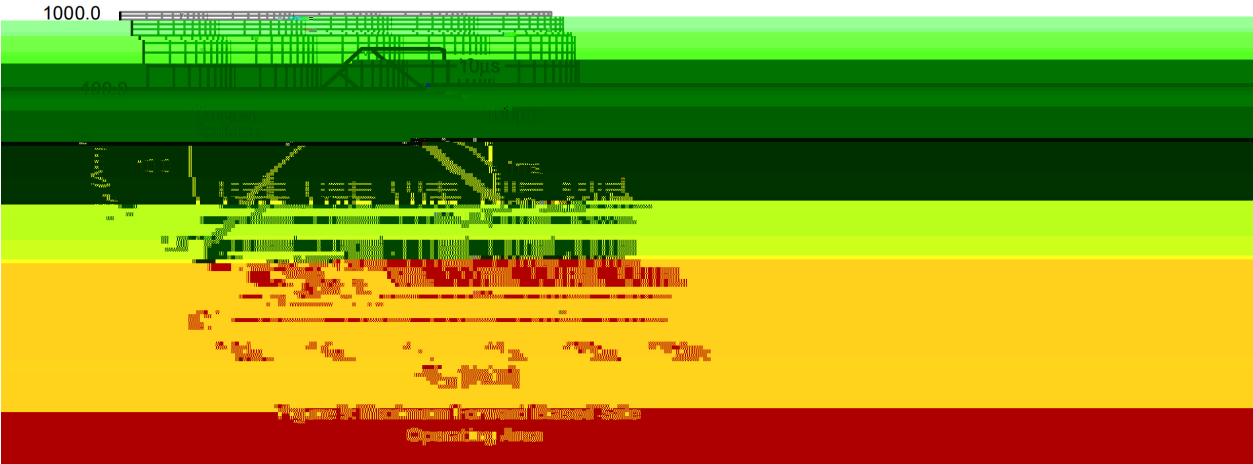
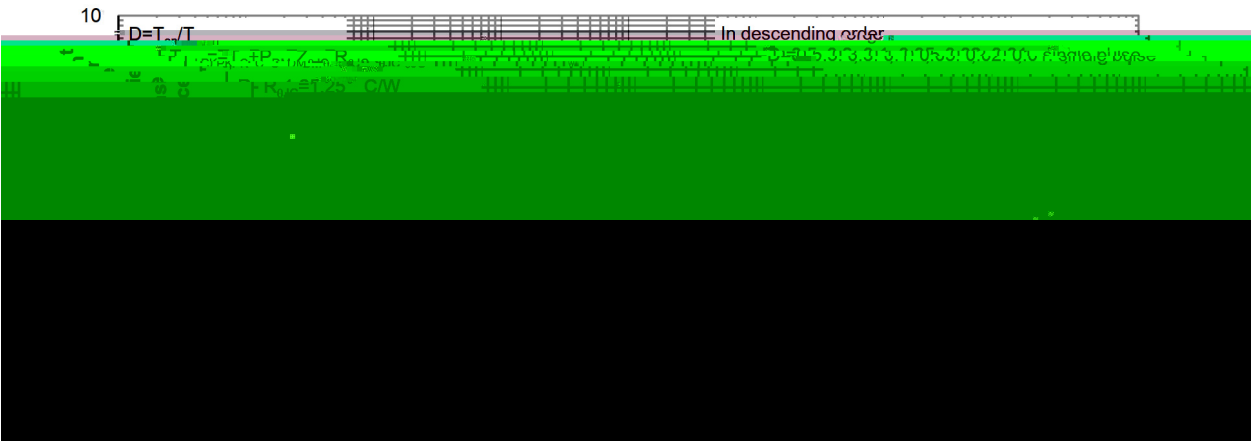
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	t _{d(on)}	V _{GS} =-10V V _{DS} =-15V R _L =0.75Ω R _{GEN} =3Ω		12.5		ns
Turn-On Rise Time	t _r			19		
Turn-Off Delay Time	t _{d(off)}			125		
Turn-Off Fall Time	t _f			67		

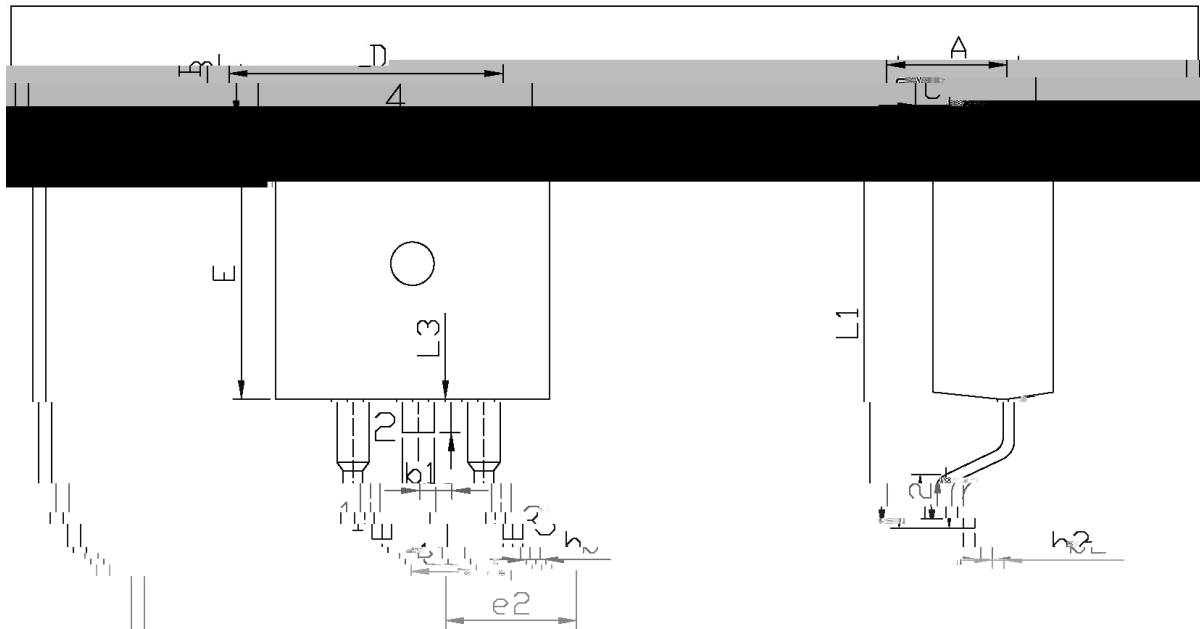
/ Electrical Characteristic Curve



/ Electrical Characteristic Curve



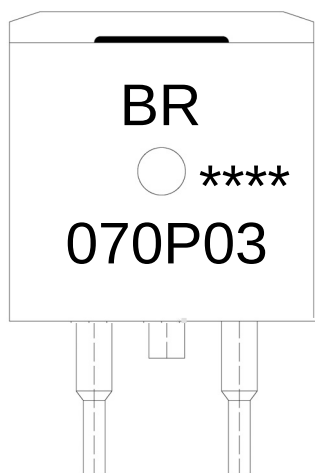
/ Package Dimensions



单位: 万元

DIMENSIONS IN MILLIMETERS		DIMENSIONS IN MILLIMETERS	
Max	Min	Max	Min
9.40	4.30	4.70	9.00
2.74	1.00	1.40	2.34

/ Marking Instructions



BR

070P03

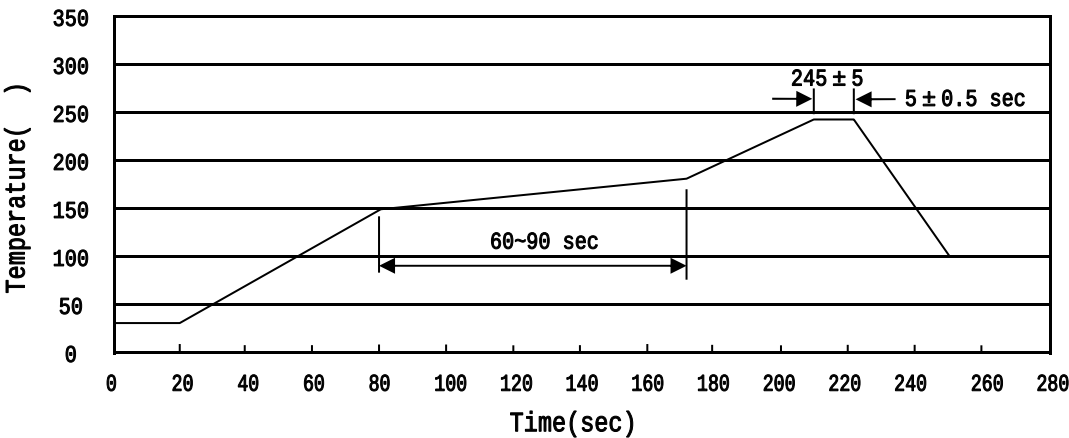
Note:

BR: Company Code

070P03: 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
TO-263	800	1	800	6	4,800	13 ×24	360×360×50	380×335×366

/ 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
TO-263	50	20	1,000	5	5,000	532×33×7.0	555×164×50	575×290×180

/ Notices