

# BRCs070P03BD

Rev.A May.-2024



DATA SHEET

TO-263 P

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

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

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

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

HF Product.

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蓝箭电子  
BLUE ROCKET ELECTRONICS

DATA SHEET

Parameter

Symbol

Rating

Unit

**/ Electrical Characteristics(Ta=25 )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=-10V$ $V_{DS}=-15V$ $R_L=0.75$ $R_{GEN}=3$		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

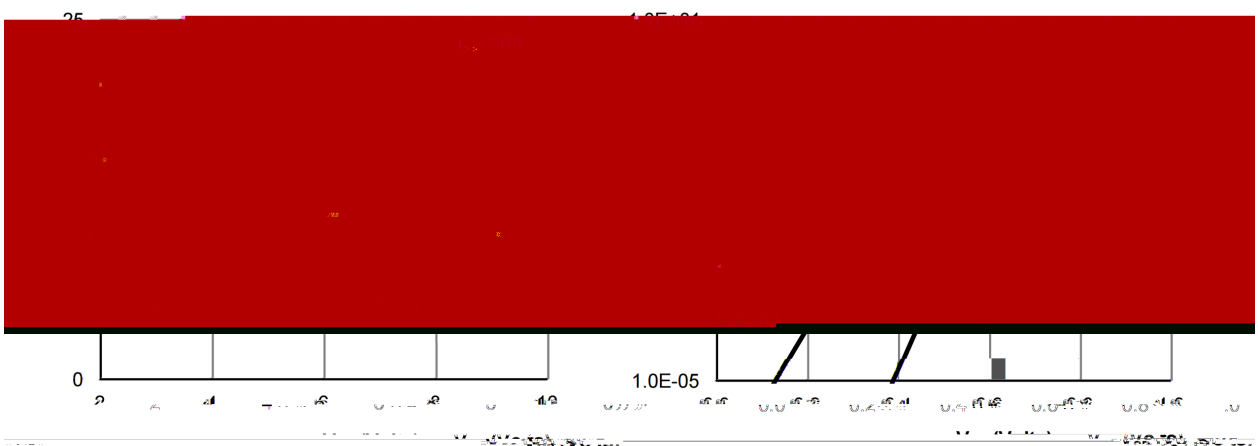
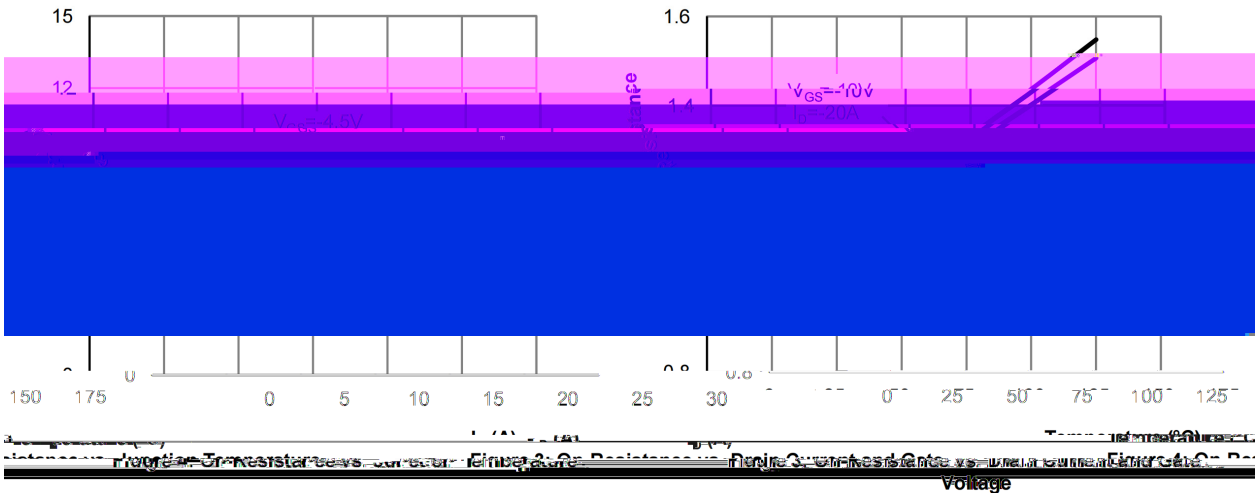
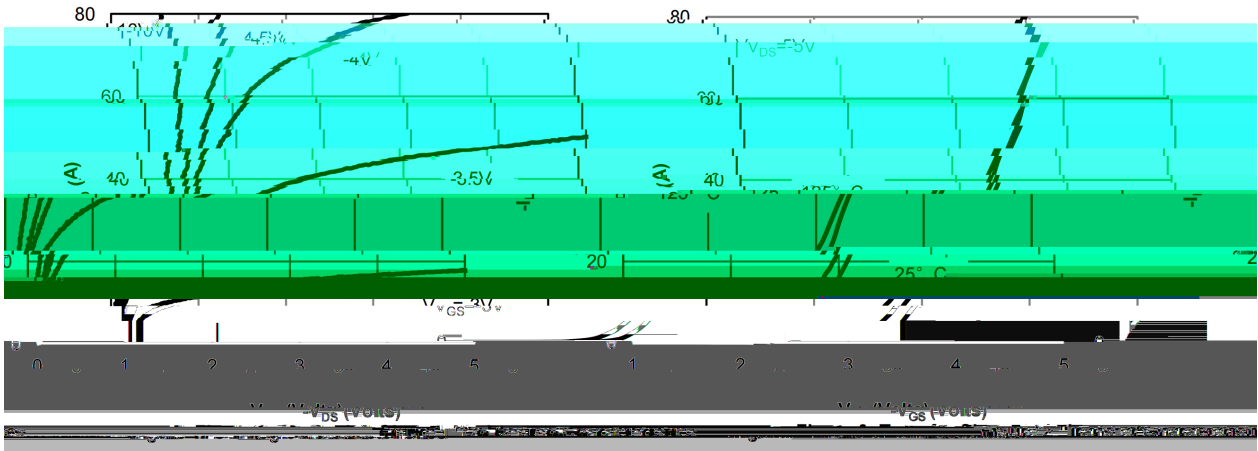
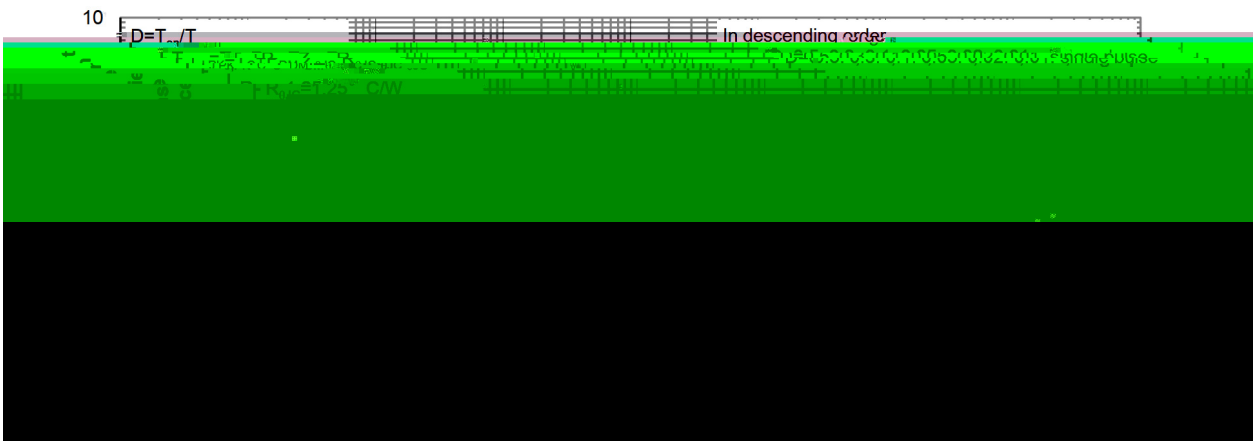
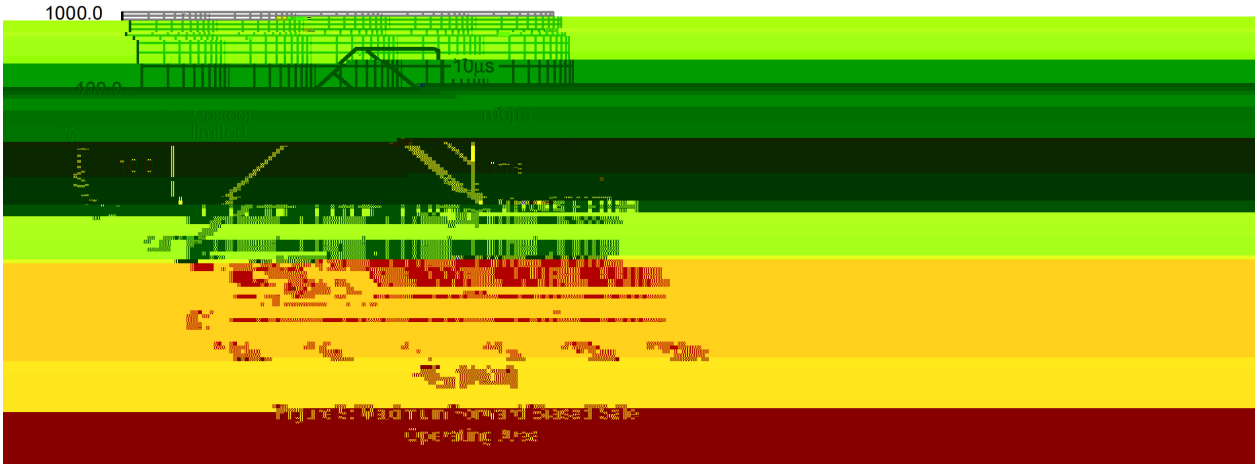
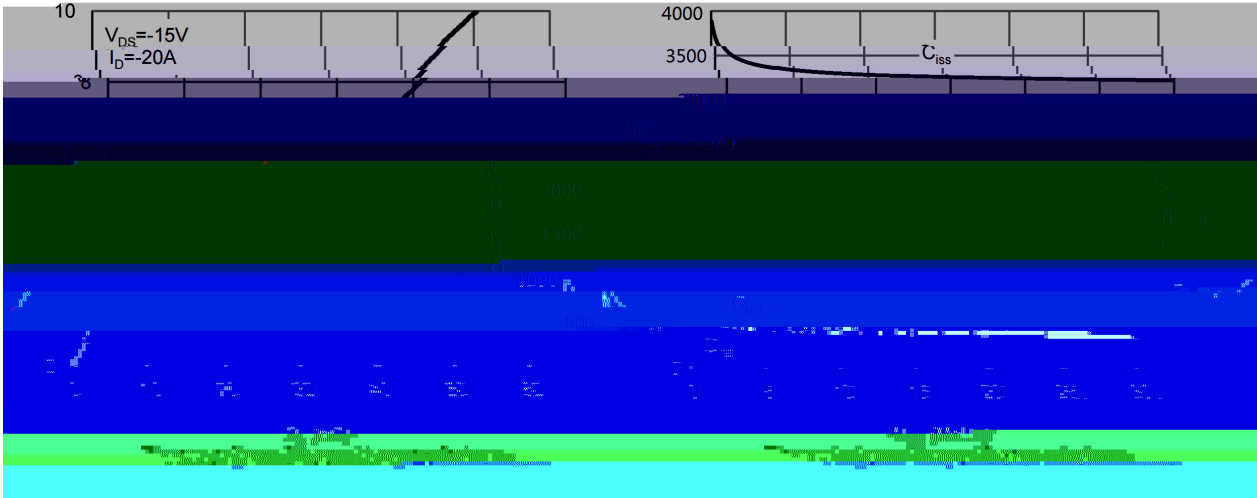


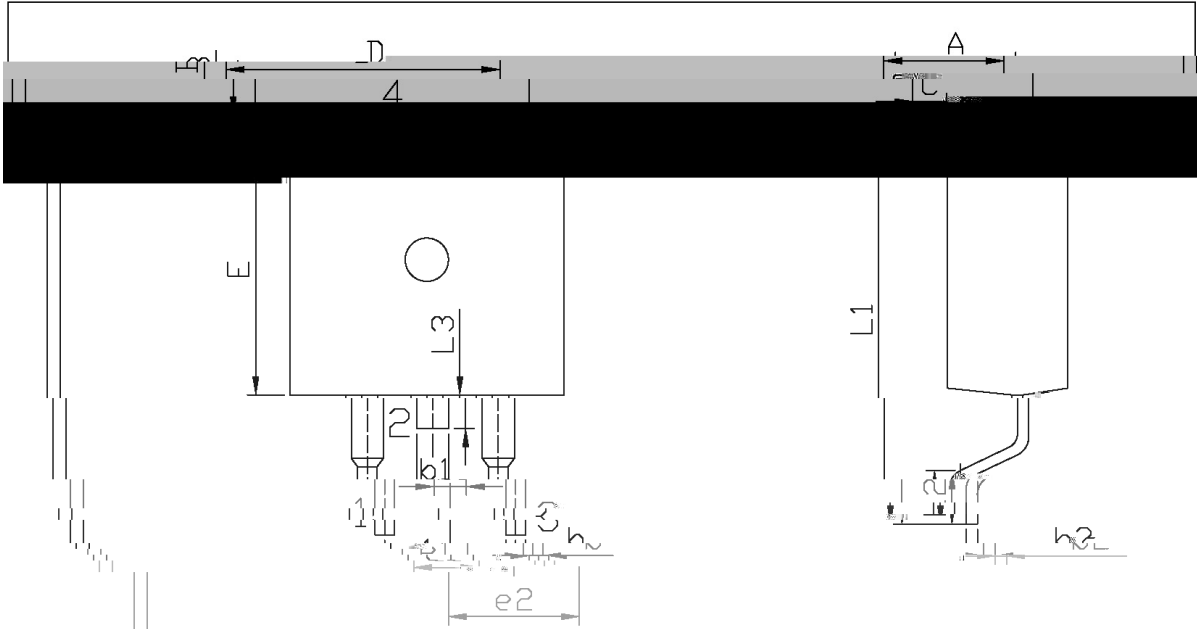
Figure 6: Body-Diode Characteristics

Figure 5: On-Resistance vs. Gate-Source Voltage

/ Electrical Characteristic Curve



**/ Package Dimensions**

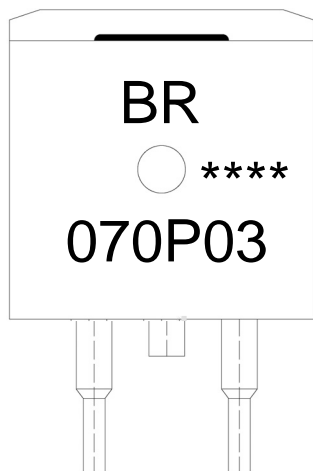


单位: mm

Dimensions in Millimeters		Dimensions in Millimeters		Dimensions in Millimeters		
Max	Min	Max	Min	Max	Min	
9.40		A	4.30	4.70	E	9.00
2.74		B	1.00	1.40	e1	2.34
9.80		D	9.80	10.20		

TP-263

**/ Marking Instructions**



BR

070P03

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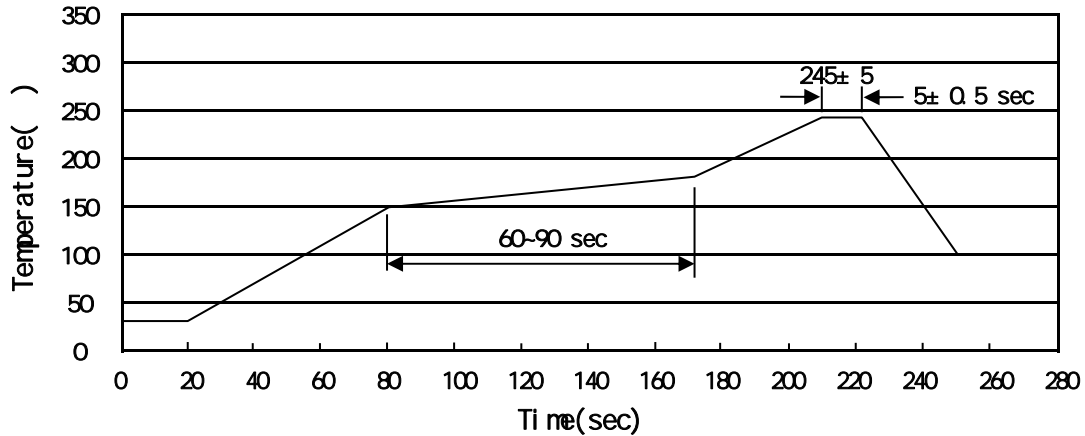
Note:

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 <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
TO-263	50	20	1,000	5	5,000	532x33x7.0	555x164x50	575x290x180

/ Notices