

# BRCs120P03ZC

Rev.B Sep.-2024



DATA SHEET

PDFN5×6 P

P-Channel MOSFET in a PDFN5×6 Plastic Package.

$V_{DS} (V) = -30V$      $I_D = -46A$  ( $V_{GS} = \pm 20V$ )

$R_{DS(ON)} @ -10V$  12m (Typ.10.5m )

$R_{DS(ON)} @ -4.5V$  18m (Typ.16.5m )

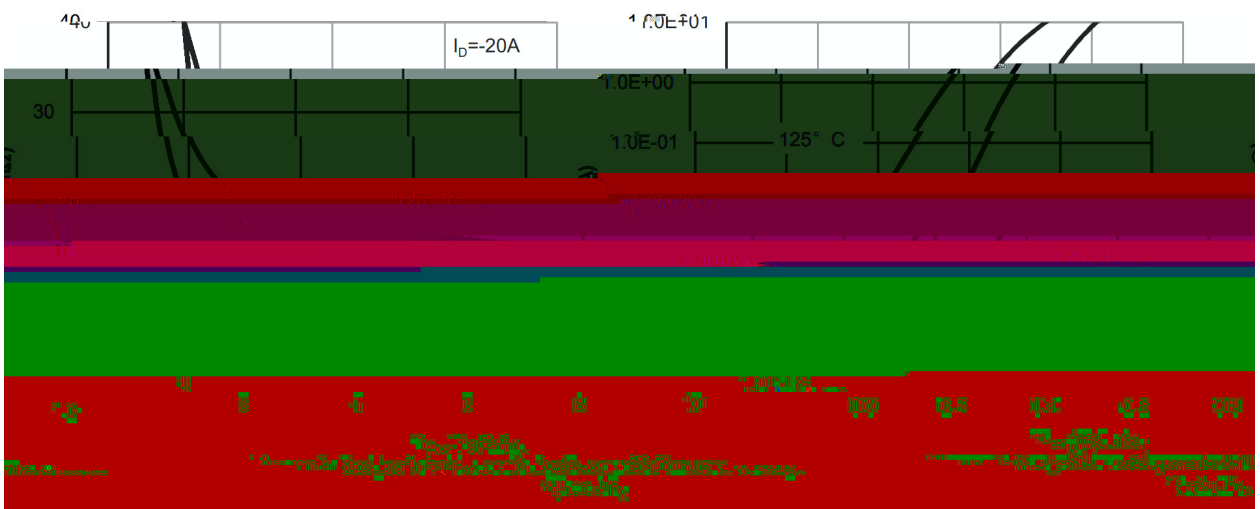
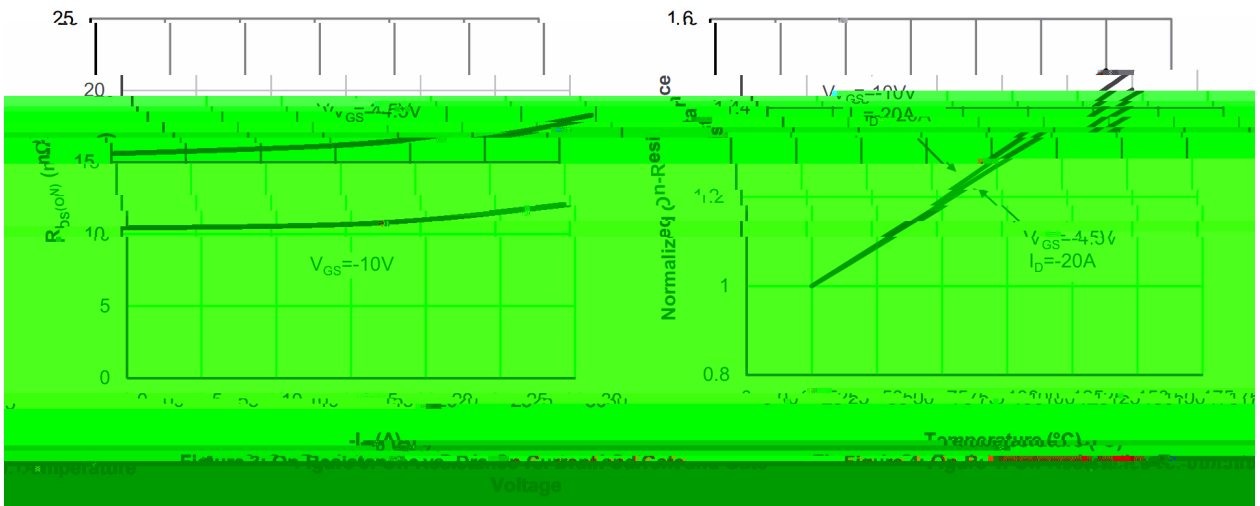
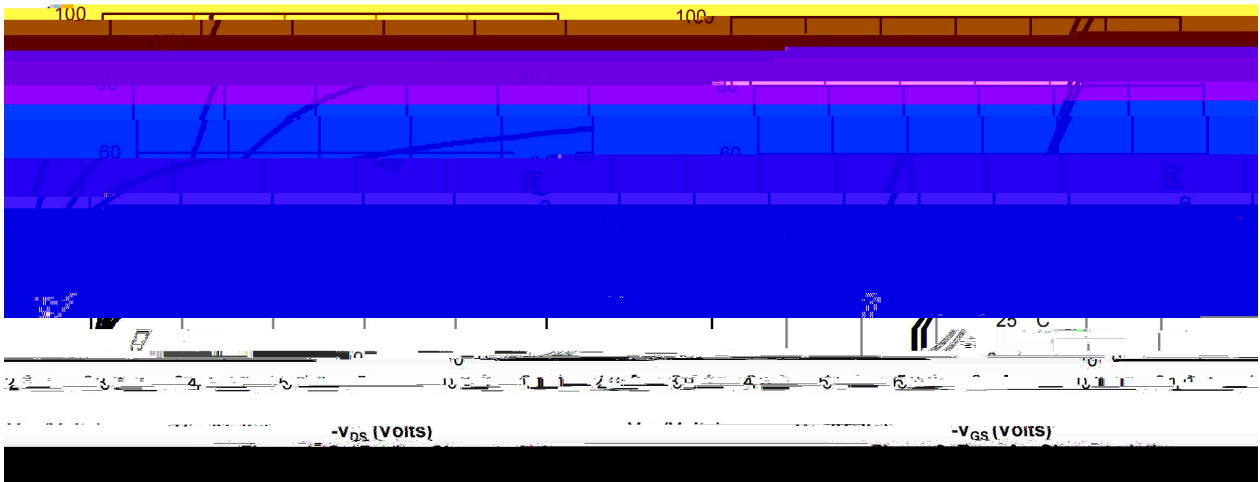
HF Product.

Parameter

Symbol Z.

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	$BV_{DSS}$	$I_D = -250\mu A$ $V_{GS} = 0V$				

/ Electrical Characteristic Curve



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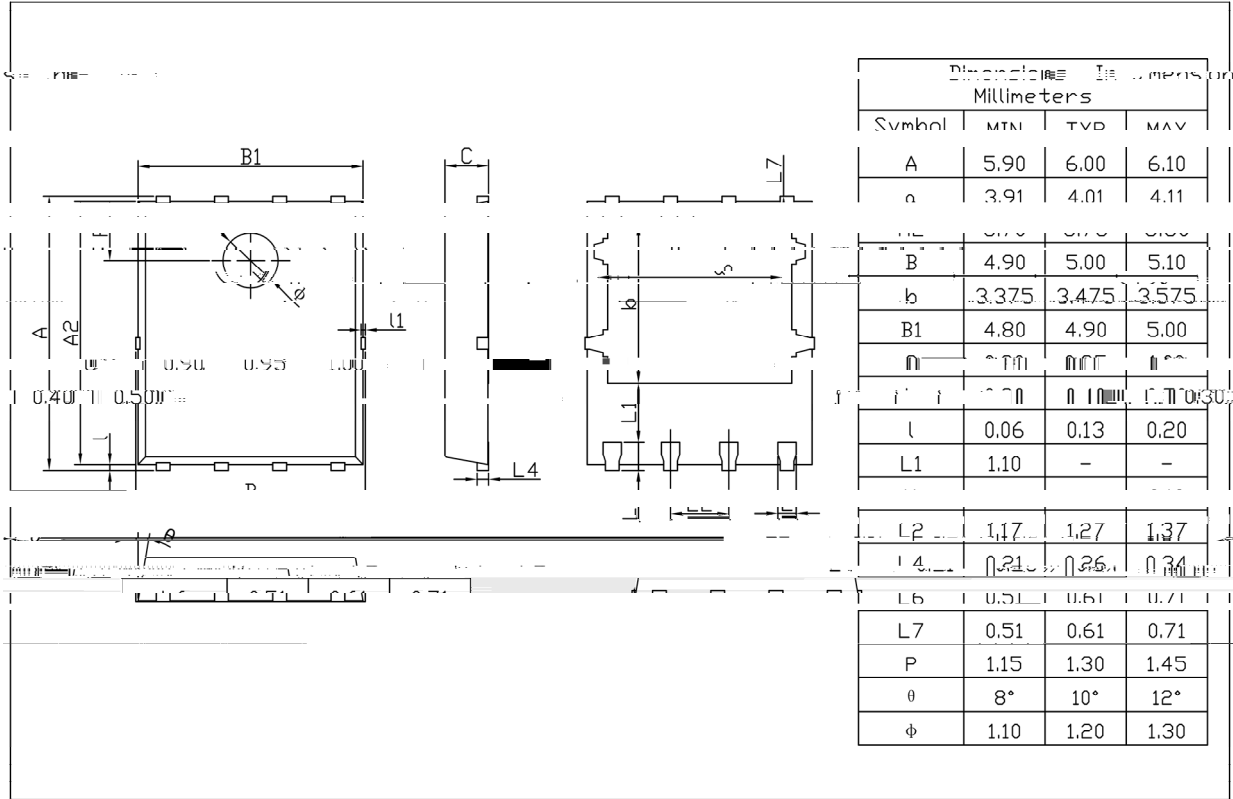
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**DATA SHEET**

**/ Package Dimensions**

PDFN5 X6

Unit:mm



Rev.01 202209

/ Marking Instructions



**( ) / 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	
	/	/	/	/	