

## 5 é / Descriptions

PDFN5 ~6 / x N ?ú 3 « | • ' ož

N-Channel MOSFET in a PDFN5 h 6 Plastic Package.

## α a / Features

z Š U Â Ý a ' z - C ô z z õ â &gt; k U ë ½ , ä E z z ½ Š z —)í D }ož

Low  $R_{DS(ON)}$  to minimize conductive loss; low Gate Charge for fast switching; Low Thermal resistance; HF Product.

## Đ ÷ / Applications

P ' òož

Battery Management.

PIN1 Ã2 Ã3 Ö S

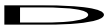
PIN4 ÖG

PIN5 Ã6 Ã7 Ã8 ÖD

## , M V / Marking

• - ~ a ¢ Ä

See Marking Instructions.

| @ f<br>Parameter     | ... Z<br>Symbol | f ><br>Rating                                                                       | % y<br>Unit |
|----------------------|-----------------|-------------------------------------------------------------------------------------|-------------|
| Drain-Source Voltage | V <sub>DS</sub> |  |             |

BRCS015N04SZC

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ = ) ¢ / Package Dimensions

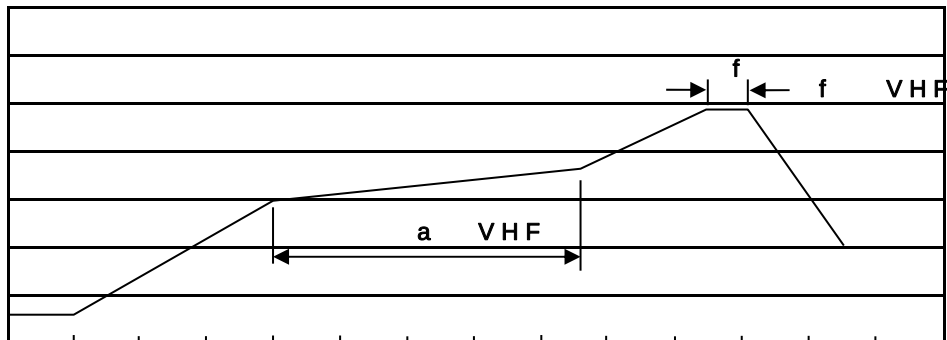
, M y f / Marking Instructions

BR  
015N04S  
\*\*\*\*

a ¢ y  
( 8 y                    , [ W A  
015N04S y            D } ° Z  
                         y            Ÿ D Z W A k š Ÿ D Z J

Note y  
BR y                    Company Code  
015N04S y            Product Type  
\*\*\*\*.                    Lot No. Code, code change with Lot No

### Š WD t ... • Ž Ć ( x / ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



<sup>a</sup> Ć y

10• Ä ½ " † 150 ½ 180 - k ž • 60 ½ 90sec;

20• Q > " † 245 r 5 - k ž • 4 Ò 5 r 0.5sec;

30•D N ò i Ò 0 , † 2 ½ 10 - /sec.

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r 5 - , Duration:5 r 0.5sec.

3. Cooling Speed: 2~10 - /sec.

### ÂD /Cã p ¯ » ] / Resistance to Soldering Heat Test Conditions

" † y 260 r 5 -

ž • y 10 r 1 sec.

Temp.:260±5

Time:10±1 sec

### G P á / Packaging SPEC.

2 & x / REEL

| Package Type<br>/ x ¥ " | Units ;>û ĤH        |                          |                        |                              |                        | Dimension ;>û p . (unit /mm <sup>3</sup> ) |                |                 |
|-------------------------|---------------------|--------------------------|------------------------|------------------------------|------------------------|--------------------------------------------|----------------|-----------------|
|                         | Units/Reel<br>Q 2 & | Reels/Inner Box<br>2 & " | Units/Inner Box<br>Q " | Inner Boxes/Outer Box<br>" " | Units/Outer Box<br>Q " | Reel                                       | Inner Box      | Outer Box       |
| PDFN5 h 6               | 5000                | 2                        | 10000                  | 6                            | 60000                  | 13" h 12                                   | 360 h 360 h 50 | 380 h 335 h 366 |

### „Đ y f / Notices