

BRFL65R280C  
Rev.A Jul.-2023

TO-220FL N-CHANNEL 650V Super-Junction Power MOSFET in a TO-220FL Plastic Package.

Very low  $R_{DS(on)}$  ROHS



@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 › Min	Á ° › Typ	Â Ý › Max	% y Unit
Continuous Diode Forward Current	I <sub>s</sub>				14	A
Total Gate Charge	Q <sub>g</sub>	V <sub>DS</sub> =520V I <sub>D</sub> =7.5A V <sub>GS</sub> =10V		26		nC

Ō ? d • Ž ¢ / Electrical Characteristic Curve

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ = ) φ / Package Dimensions

, M y f / Marking Instructions

BR  
65R280C  
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y                        ÿ D Z W A k š ÿ D Z J

Note:

BR:                    Company Code

65R280C:            Product Type

\*\*\*\*:                    Lot No. Code, code change with Lot No

### G PD t... • Ž Ć ( x / ) / Temperature Profile for Dip Soldering(Pb-Free)

<sup>a</sup> Ć y

1. • Ä ½ “ † 25 ½150 - k ž • 60 ½90sec;

2. • Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec;

3. • D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1. Preheating: 25~150 - , Time: 60~90sec.

2. Peak Temp.: 255 r5 - , Duration: 5 r0.5sec.

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

### Â D / Cã p - » ] / Resistance to Soldering Heat Test Conditions

“ † y 270 r5 -

ž • y 10 r1 sec.

Temp.: 270±5

Time: 10±1 sec

### G P á / Packaging SPEC.

ì ' x / TUBE

Package Type 7>û ~ E	Units ;>û !H					Dimension ;>û p . (unit Åmm <sup>3</sup> )		
	Units/Tube /•1x	Tubes/Inner Box •1x/-	Units/Inner Box /-	Inner Boxes/Outer Box - /!Ć	Units/Outer Box /!Ć	Tube•1x	Inner Box	Outer BoxĆ
TO-220FL	50	20	1,000	5	5,000	532x33x7.0	555x164x50	575x290x180

### „ Đ y f / Notices