

BRFL65R280C

Rev.A Jul.-2023



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

TO-220FL .> // x N ?ú 3 < Ý È W + ä « | • 'ož

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

z $R_{DS(on)} \times Q_g$ k 100% " S y i k ... ` ROHS ö Œož

Very low $R_{DS(on)}$

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > Typ	Â Ý > Max	% y Unit
Continuous Diode Forward Current	I _S				14	A
Total Gate Charge	Q _g	V _{DS} =520V I _D =7.5A V _{GS} =10V		26		nC

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø □ =) ¢ / Package Dimensions

, M y f / Marking Instructions

BR
65R280C

^ ¢ y
BR y , [W A
8) y ° Z W A
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)

a Ć y

10• Ä ½ “ † 25 ½150 - k Ž • 60 ½90sec;

20• Q > “ † 255 r5 - k Ž • 4 Ò 5 r0.5sec;

30•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.

ÂD /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 ĤH					Dimension ;>û p . (unit /mm ³)		
	Units/Tube /•1×	Tubes/Inner Box •1× /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Tube•1×	Inner Box	Outer Box
TO-220FL	50	20	1,000	5	5,000	532×33×7.0	555×164×50	575×290×180

„ Đ y f / Notices