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 $R_{DS(on)}$×Qg k 100% ¨ S y ¡ k … ` ROHS ö Õož
Very low $R_{DS(on)}$

@ *f* Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › 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 ƒ / Marking Instructions

BR

65R280C

****

ª ¢ y

BR y ¸ [W A

8) y º 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 ¢ (x /) / Temperature Profile for Dip Soldering(Pb-Free)

ª ¢ y

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

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

3o•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 ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Tube / •1×	Tubes/Inner Box •1× /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Tube •1×	Inner Box×	Outer Box1ç
TO-220FL	50	20	1,000	5	5,000	532×33×7.0	555×164×50	575×290×180

„ Ð y ƒ / Notices