

Prepared (Subject resp) Nick Cao		No. 4/109 47-BMR672 Uen		
Approved (Document resp) David Xie	Checked	Date 2024-03-14	Rev A	Reference

For your Information

Receiver

“Sales and FAEs”

“All of Customers”

Product Change Notification (Minor)-PKB4216C

1 Products affected

Product	Input V_I [V]	Output V_O [V]	Output I_O [A]	R-status	New R-status
PKB4216C*	36-75	30	6.7	R2A	R2C

*This change affects all related product options in PKB4216C series productions, including:

- Mounting option: PI (through hole), SI (surface mount);
- Remote control logic: P (positive logic), blank (default negative logic);
- Mechanical option: HS (baseplate), blank (default open frame);
- Lead length: LA (3.69mm), LB(4.57mm), LC(2.79mm), blank (default 5.33mm);

For more information about PKB4216C, see:

[fpm-techspec-pkb4216c \(flexpowermodules.com\)](http://fpm-techspec-pkb4216c.flexpowermodules.com)

2 PCN classification

Minor change, the letter in the R-state (release state or version) is stepped, meaning that there is two-way interchangeability with the existing products. Product versions with same digit in the R-state are capable of replacing the new version, and the new version can replace earlier versions.

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3 Reason for the change

To improve the functionality of trim down.

4 Change explanation

4.1 Improve trim down performance

R2A revision can't cover the output range from 15V to 22V with a pull-down resistor be connected between Vadj pin and -Sense pin. New revision R2C product improve trim down performance.

The improvement outlined above also indirectly impact the ramp-up time and start-up time.

Characteristics	Conditions	R2A		R2C		unit
		Typ.	max	Typ.	max	
Ramp-up time (from 10%~90% of Voi)	10~100% of max Io	80	90	15	25	ms
Start-up time (from Vi connection to 90% of Voi)		90	100	20	30	
RC start-up time	max Io	90		20		

5 Product verification

Electrical, mechanical and production verification tests have been performed according to Flex Power Modules' product approval process.

6 Test Results

Approved.

7 Safety approvals

Approved.

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8 Date for product change

Product	Planned availability of samples	Planned availability of new revision	Orders accepted of existing revisions until
PKB4216C*	Mar 29 th , 2024	Apr 19 th , 2024	Mar 29 th , 2024

9 Addendum

No response within 60 days will be taken as acceptance of this PCN. If acknowledgement is given, but no additional response within 60 days, it will be taken as acceptance.

If you have any questions, please do not hesitate to contact the undersigned.

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