



Life Energy Motion

Product Change Notification

PCN-049_2021_1-OMTB2122402

Second source Zener diode

HAS series – **First date code**

Beijing, 20th December 2021

Based on the JEDEC Standard JESD46 standard (latest release), please kindly provide your approval for below change within 30 days.

Not for publication unless permission is granted by LEM

Dear customer,

To answer to continuous market requirement for improved performances, and in a permanent effort to improve the quality of its products, LEM intends to proceed to some modification on **HAS series**.

Concerned products:

HAS 100-P; HAS 200-P; HAS 300-P; HAS 400-P; HAS 50-P; HAS 500-P; HAS 600-P;

HAS 100-S; HAS 100-S/SP16; HAS 100-S/SP31; HAS 100-S/SP50; HAS 100-S/SP54;

HAS 150-S; HAS 150-S/SP31; HAS 150-S/SP54;

HAS 200-S; HAS 200-S/SP1; HAS 200-S/SP105; HAS 200-S/SP16; HAS 200-S/SP31;

HAS 200-S/SP50; HAS 200-S/SP52; HAS 200-S/SP54; HAS 200-S/SP58;

HAS 300-S; HAS 300-S/SP105; HAS 300-S/SP50; HAS 300-S/SP52; HAS 300-S/SP54;

HAS 400-S; HAS 400-S/SP50; HAS 400-S/SP54; HAS 400-S/SP55;

HAS 50-S; HAS 50-S/SP105; HAS 50-S/SP16; HAS 50-S/SP50;

HAS 500-S; HAS 500-S/SP105; HAS 500-S/SP16;

HAS 500-S/SP50; HAS 500-S/SP56; HAS 500-S/SP57; HAS 500-S/SP58;

HAS 600-S; HAS 600-S/SP105; HAS 600-S/SP50; HAS 600-S/SP54;

HAS 75-S/SP16; HAS 75-S/SP54;





Life Energy Motion

we confirm you that LEM is now producing the model **HAS 100-S** according to the change explained here after and from the **date code 721245**.

Explanation on the date code:

- “7” means the production center, here LEM Electronics China Co., Ltd
- “21” means the year of the production, here the year 2021
- “245” means the day of the production, here the 245th day of the year 2021 (02nd September 2021)

Change:

➤ ***Description of the technical change:***

Second source Zener diode.

No change on the PCB layout.

Current Zener diodes:

PanJit International Inc: BZX84C5V1: D 5V1 0.35W 5% BZX84C5V1 Diode Reg. SMD SOT23

Vishay: BZX84C5V1-HE3-18: Zener Diode Single 5.1V 5% 60Ohm 300mW Automotive 3-Pin SOT-23 T/R

New Alternative Zener diode:

Micro Commercial Components: BZX84C5V1-TP: Zener Diode Single 5.1V 5% 60Ohm 350mW 3-Pin SOT-23 T/R

➤ ***Reason of the technical change:***

Delivery issue with the current suppliers. To avoid any deliveries shortages. Components shortage on the market.





Life Energy Motion

Impact on the product:

- On the form: NO
- On the fit: NO
- On the function: NO
- On the reliability: NO
- On the data sheet: NO

Schedule of the modification:

Start of delivery of modified product	HAS 100-S: date code 721245 (02nd September 2021)
---------------------------------------	---

Sincerely yours,

Stéphane ROLLIER
Product Manager

