



Life Energy Motion

# Product Change Notification

## PCN-132\_2022\_2-OMTB2229103

### Alternative transistor

### HAS series – **UPDATE with first date code**

Beijing, 16<sup>th</sup> October 2023

Based on the JEDEC Standard JESD46 standard (latest release)

Not for publication unless permission is granted by LEM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 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 200-S; HAS 200-S/SP1; 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 200-S/SP105;**

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

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

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

**HAS 500-S; HAS 500-S/SP16;**

**HAS 500-S/SP50; HAS 500-S/SP56; HAS 500-S/SP57; HAS 500-S/SP58; HAS 500-S/SP105;**

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

**HAS 75-S/SP16;**





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we confirm you that LEM is now producing **HAS 50-S/SP16 model** according to the change explained here after and **from the date code 723070**.

Explanation on the date code:

- ❑ “7” means the production center, here LEM Electronics (China) Co., Ltd.
- ❑ “23” means the year of the production, here the year 2023
- ❑ “070” means the day of the production, here the 070<sup>th</sup> day of the year 2023 (11<sup>th</sup> March 2023)

**Change:**

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

New second source transistor.

Current transistor:

Renesas Electronics (NEC): Trans GP BJT PNP 50V 0.1A 200mW Automotive 3-Pin Mini-Mold: Ref: 2SA812-T1B-A/S6

New second source transistor:

Micro Commercial Components: Trans GP BJT PNP 50V 0.1A 3-Pin SOT-23: Ref: 2SA812(SOT-23)/M6

**Data sheets of the current and second source transistors are enclosed in annex files.**

**Comparison between current and second source transistors is enclosed in annex file.**

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

Securing the supplying with second source. Delivery shortage risk.





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**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
- On the process: NO
- On the quality: NO
- On the functional safety characteristics: NO

**Schedule of the modification:**

Start of delivery of modified product	<b>HAS 50-S/SP16: from date code 723070 (11<sup>th</sup> March 2023)</b>
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Sincerely yours,

Stéphane ROLLIER

Product Manager

