



Life Energy Motion

Product Change Notification

PCN-133_2022_0-OMTB2229702

Alternative transistor

AHR and DHR series

Beijing, 23rd December 2022

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Not for publication unless permission is granted by LEM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 **AHR and DHR series**.

Concerned products:

AHR 1000 B10; AHR 1000 B420; AHR 1000 B5;

AHR 1500 B10; AHR 1500 B420;

AHR 2000 B10; AHR 2000 B420; AHR 2000 B5;

AHR 500 B10; AHR 500 B420;

AHR 800 B10; AHR 800 B420;

DHR 100 C10; DHR 100 C10/SP2; DHR 100 C420; DHR 100 C420/SP2; DHR 100 C5;

DHR 1000 C10; DHR 1000 C10/SP9; DHR 1000 C420; DHR 1000 C5;

DHR 200 C10; DHR 200 C10/SP1; DHR 200 C10/SP2; DHR 200 C420; DHR 200 C420/SP2; DHR 200 C5;

DHR 300 C10; DHR 300 C10/SP2;

DHR 300 C420; DHR 300 C420/SP2; DHR 300 C420/SP5; DHR 300 C5;

DHR 400 C10; DHR 400 C420; DHR 400 C420/SP2; DHR 400 C5;

DHR 500 C10; DHR 500 C420; DHR 500 C420/SP2; DHR 500 C5;

DHR 600 C10; DHR 600 C420; DHR 600 C420/SP2; DHR 600 C5;





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Change:

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

New second source transistor.

Current transistors:

ROHM Semiconductor: Trans GP BJT NPN 60V 0.5A 3-Pin TSMT T/R: Ref: 2SC5868TLQ

ROHM Semiconductor: Trans GP BJT NPN 60V 0.5A 3-Pin TSMT T/R: Ref: 2SC5868TLR

New second source transistor:

ROHM Semiconductor: Trans GP BJT NPN 80V 0.7A 3-Pin TSMT T/R: Ref: 2SCR514RTL

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:***

ROHM component 2SC5868TLQ will become obsolete soon, securing the supplying with second source. Delivery shortage risk.

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





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Schedule of the modification:

Start of delivery of modified product	End April 2023
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Customer feedback:

To ensure a smooth change, and in order to answer to any of your requirements issued by this change, please fill in the **Customer Return Sheet** (Annex 1 on page 4) and send it back to us **following 30 days at the latest.**

In case we do not receive any answer **following 30 days at the latest**, we will assume:

- Your acceptance to the change.
- No need for samples
- No additional need.

Please return the Customer Return Sheet to:

LEM

Mail to:

After customer acknowledgement, lack of additional customer response within the time defined until the change implementation constitutes acceptance of the change by the customer.

Sincerely yours,

Stéphane ROLLIER

Product Manager





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Customer Return Sheet

Annex 1

part of

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To: LEM

From:

Mail to:

Company:

Fax:

With this Customer Return Sheet, LEM asks you to fill in the requested information below.

**Please return this sheet to LEM in the following 30 days at the latest.
In case no answer will be received, your confirmation and no request for samples will be assumed.**





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Documentation required from LEM to release changed parts for delivery:

- Detailed Qualification tests report.
- (others, please specify).

Request for Samples

We ask you to fill in below if and how many samples you will need for own evaluation tests.

	Samples needed for customer approval tests
Type	
No. of Samples	
Delivery Date	

.....
(Date)

.....
(Authorized Customer) (Signature)

