



Life Energy Motion

Product Change Notification

Geneva, 30th September 2022

**PCN-094_2022_0-OMTS2223801+S2223802+S2223803
+S2223804+S2223805**

**Varnish change on final Magnetic circuit
0165#; HAFS; HAIS; HASS; HTFS series**

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Not for publication unless permission is granted by LEM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 **0165#; HAFS; HAIS; HASS; HTFS series**.

Concerned products:

All 0165# models

All HAFS models

All HAIS models

All HASS models

All HTFS models





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Change:

➤ **Description of the technical change:**

Varnish change on the final complete Magnetic circuit (impregnation).

Replacement of ThreeBond 2287B varnish reference by ThreeBond 2287F varnish reference.

This varnish is use only on the operation of impregnation of the final complete magnetic circuit after the annealing and before the air gap cutting.

The previously used varnish "2287B" will be abolished and is replaced by varnish "2287F".

RoHS compliance of the new reference as per the enclosed certificate.

The performance comparison of varnishes published by the manufacturer is as follows:

Test items	unit	New glue		Test method
		Products name		
		ThreeBond 2287B	Three Bond 2287F	
Appearance		Reddish brown	Reddish brown	3TS-2100-002
viscosity	Pa · s	0.17	0.19	3TS-2F00-002
specific gravity		1.1	1.13	3TS-2500-002
Tensile lap-shear strength test (25°C)	MPs	15.3	17.2	3TS-4710-002
Tensile lap-shear strength test (150°C)		1.2	2.1	
Curing shrinkage rate	%	6.8	4.3	3TS-4730-001
Volume resistivity	Ω · m	1.81×10^{15}	2.84×10^{15}	3TS-5200-001

Qualification tests plan on finished goods for this change is on-going at LEM as per files enclosed.





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➤ **Reason of the technical change:**

Securing the supplying with new source as current one becoming obsolete. Delivery shortage high 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

Schedule of the modification:

Start of delivery of modified product	0165, HAIS series: Beginning January 2023. HAFS series: End December 2022. HASS series: Mid January 2023. HTFS series: Mid November 2022.
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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 5) 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)

