

Hitachi Energy Ltd, Semiconductors

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Oktober 07, 2025

Process change notification PCT 25-01: Qualification of alternative Molybdenum disk processing and supplier for certain Thyristor

Please be advised that some PCTs (Phase controlled thyristor) from Hitachi Energy Ltd, Semiconductors have undergone a process change described below:

Name and identification of change

Qualification of additional Molybdenum disk processing and supplier for certain Thyristor.

Description of changes

Change	Reason
An additional Molybdenum disk processing and supplier has been qualified.	Improve the availability of Molybdenum disk.

Products affected by the change

Referring to previously sent PCN PCT 22-02, where we have announced the qualification of the process change for the D and F size standard thyristor products, the adapted standard products of these devices, plus two more standard products have undergone the process change:

All adapted standard products of the following devices:

- 5STP 07D1800
- 5STP 18F1800
- 5STP 06D2800
- 5STP 16F2800
- 5STP 04D4200
- 5STP 12F4200
- 5STP 04D5200
- 5STP 03D6500
- 5STP 08F6500

Following two standard products:

- 5STP 18F1810
- 5STP 16F2810

Properties Old vs. Changed Product

1. Fit¹: no change.
2. Form²: no change
3. Function³: no change
4. Reliability: No impact.

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Reliability & Qualification ⁴

The process change was implemented in conformance with Hitachi Energy's Engineering Change Guideline.

- Date of internal qualification: Data are available.

General Remarks

Proposed first Ship Date for Change: The change will gradually be phased in starting in December 2025.

For approval of the above mentioned change and/or for additional information please contact your sales partner.
No response within 30 days after receipt constitutes acceptance of the change according to standard JESD46D.

Yours sincerely,
Hitachi Energy Ltd, Semiconductors

i. V.

Christian Winter
Global Product Manager BiPolar Discretes

Guido Rohrlack
Head of Quality Management

¹ fit: The external dimensions and associated tolerances, of the product, as specified by the supplier and/or customer.

² form: The visual appearance including shape, color, marking, and surface finish, of the product, as specified by the supplier and/or customer.

³ function: The electrical, mechanical, thermal, and performance characteristics of the product, as specified by the supplier and/or customer.

⁴ reliability: The ability of a product to perform a required function at or below a stated failure rate for a given period of time.