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# Product Change Notification

Product Group: OPT/Fri Jun 23, 2023/PCN-OPT-1287-2023-REV-0



## Introduction of new Cyllene2 IC for TVCast

For further information, please contact your regional Vishay office.

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**Description of Change:** Introduction of a new in-house designed IR Receiver IC:

The Cyllene 2.

This IC uses the latest Chip Technology of the worlds leading IC

Foundry. The Cyllene 2 will replace the "Methone" IC in

existing Product Series without a name change.

It will provide similar electrical and optical characteristics, at nearly 50 percent less current consumption. Besides it provides the best receiving range in bright ambient. The mechanical dimensions remain unchanged.

We recommend to test the product in customers application.

**Classification of Change:** The existing external IC Supplier has announced to end production. To assure a long-term product availability of IR Receivers, Vishay developed an inhouse IC in cooperation with the worlds leading Chip Foundry.

**Expected Influence on Quality/Reliability/Performance:** No change on Quality/Reliability. Similar electrical and optical characteristics.

**Part Numbers/Series/Families Affected:** Please see materials list on the succeeding page.

**Vishay Brand(S):** Vishay Semiconductors

#### Time Schedule:

Start Shipment Date: Sun Oct 1, 2023

**Sample Availability:** Samples are available 2nd July 2023

**Product Identification:** via date code

**Qualification Data:** Qualpack is available ww27 2023

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Sun Aug 13,**



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**2023 or as specified by contract.**

**Issued By:** Rainer Hauschildt, [rainer.hauschildt@vishay.com](mailto:rainer.hauschildt@vishay.com)



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TSOP59230	TSOP59230TR1	TSOP59233	TSOP59233TR1	TSOP59236
TSOP59236TR1	TSOP59238	TSOP59238TR1	TSOP59240	TSOP59240TR1
TSOP59256	TSOP59256TR1	TSOP59330	TSOP59330TR1	TSOP59333
TSOP59333TR1	TSOP59336	TSOP59336TR1	TSOP59338	TSOP59338TR1
TSOP59340	TSOP59340TR1	TSOP59356	TSOP59356TR1	TSOP59430
TSOP59430TR1	TSOP59433	TSOP59433TR1	TSOP59436	TSOP59436TR1
TSOP59438	TSOP59438TR1	TSOP59440	TSOP59440TR1	TSOP59456
TSOP59456TR1	TSOP59530	TSOP59530TR1	TSOP59533	TSOP59533TR1
TSOP59536	TSOP59536TR1	TSOP59538	TSOP59538TR1	TSOP59540
TSOP59540TR1	TSOP59556	TSOP59556TR1		



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## Introduction of new CYLLENE 2 IC

Vishay Opto has published PCN-OPT-1287-2023, announcing the introduction of a new in-house designed IC for existing product series. This IC uses the latest chip technology of the world's leading Chip Foundry and provides improved performance.

### FAQ:

**Q: Are there any technical differences (form/fit/function) expected?**

A: Mechanically there are no changes.

The Cyllene 2 IC will provide similar electrical and optical characteristics, at nearly 50 percent less current consumption. Besides it provides the best receiving range in bright ambient (DC light). Please contact our application support in case you need further details or any design in support: [IRR@Vishay.com](mailto:IRR@Vishay.com).

**Q: Will there be any change of the product name?**

A: No. The new IC will be introduced at existing product series without a name change.

**Q: When do we plan to implement the new IC in production?**

A: Please refer to the start shipment date mentioned in the PCN.

**Q: How can the customer distinguish products using existing IC or new IC?**

A: The PCN announces a changeover date (production work week). The standard bar code label contains the production week as shown below (Batch 202222PH19 → produced in ww22 2022). A green sticker will be added to the box label for shipments which include products using the new Cyllene 2 IC:



**Q: Why has Vishay introduced a new IC?**

A: The existing IC supplier has announced to end production. To assure a long-term product availability, Vishay has designed a new IC with similar electrical and optical characteristics, using the latest chip technology of the world's leading Chip Foundry.

**Q: Are datasheets available?**

A: Yes. The updated datasheets are available on our website 17<sup>th</sup> July 2023.

**Q: Do you recommend testing the product in customers application?**

A: Yes. We recommend to order samples and test the product in customers application. Samples can be ordered by contacting me or our Business Marketing colleagues mentioned below.

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