



ams AG
Tobelbader Strasse 30
8141 Premstaetten
Austria

T +43 3136 500-0
F +43 3136 525-01
sensors@ams.com
www.ams.com

Premstaetten, April 4, 2018

Product Change Notification PCN14-2018

Data Sheet Change for TCS3430

Dear Customer,

In order to better test the performance of XYZ sensor ams would like to inform you about a change of the data sheet.

A change of the data sheet is necessary to include the new test concept which enables to measure and scan the filter shape during the filter deposition.

ams adds the filter shape specifications according to the new test concept and removes the old test concept with monochrome narrow band light sources.

No design changes to CMOS chip, XYZ filters and package.

Why is the new test concept better?

Tests with monochrome color LEDs do not provide an accurate test of the filter shape

Affected Product(s):

<u>material ID</u>	<u>product</u>
502780005	TCS34303
502780029	TCS34303M



Applied Change:

	Current	New
Test Concept	Test with monochrome narrow-band color light sources	Measure and scan filter shape specifications
Design (CMOS, Filters, Package)	No change	No change

Reason for change

- + A better test concept to test shape of the XYZ filters is developed
- + Test with monochrome narrow-band color LEDs do not provide an accurate test of the filter shape
- + Guarantee the necessary test throughput

Change Date

The change is effective beginning of April 2018

Sample Availability

Samples are available on request.

Risk Assessment:

The risk is classified as very low based on following facts:

- This new test concept has already been verified with a similar product in volume production
- No design changes to CMOS chip, XYZ filters and package.
- New test concept is the better method to test the performance of the XYZ sensor. Parts which fail with monochrome narrow-band color LEDs are actually good parts (Re-test of “failing” lots with accurate spectral scan show nicely centered filter shapes).



Detailed Description of the Changes to the TCS3430 Data Sheet:



TCS3430 datasheet
change Mar2018.pdf

Data Sheet:



TCS3430_Datasheet.pdf

If you do have further questions, please do not hesitate to contact me.

Kind regards,

ams AG

A handwritten signature in blue ink, reading 'R. Rogy'.

Reinhard Rogy
Senior Manager Operations
Division Advanced Opto Sensors