

# Infonote

AO-IN-2024-015-I

Improved pulse derating & ESD  
rating for OSLON Black product  
family

15.03.2024

Dear Customer,

please take note of this **Infonote**.

This customer notification is for information only and does not require customer approval.

Objective:	Improved pulse derating & ESD rating for OSOLON Black product family	
Affected products:	<b>OSOLON Black:</b> SFH 4715AS A01, SFH 4718 AS A01, SFH 4725AS A01, SFH 4716AS A01, SFH 4726AS A01, SFH 47267AS A01, SFH 47278AS A01, SFH 4728AS A01	
Reason for change:	<ul style="list-style-type: none"><li>Improvement in analytics for thermal resistance (re-characterization with advanced measurement setup)</li><li>Harmonization of specifications within product family</li></ul>	
Description of change:	<b>Current status</b> <ul style="list-style-type: none"><li>Thermal resistance: typ. 6 K/W, max 9 K/W</li><li>Specification of minimal current of <math>I_{min}=100mA</math> only for certain products</li><li>Specification of typ. Wavelength</li><li>ESD HBM 2kV &amp; HBM 8kV for certain products</li></ul>	<b>New status</b> <ul style="list-style-type: none"><li>Thermal resistance: typ. 5.5 K/W, max 6.6 K/W. This results in improved deratings which allows higher current operation within existing driving conditions.</li><li>Harmonization to specify minimal current of <math>I_{min}=100mA</math> for the whole product family</li><li>Specification of min and max. wavelength</li><li>ESD HBM 8kV for all products</li></ul>
	Please refer to customer information package for more details.	
Time schedule:	The updated datasheets are available.	
Assessment:	There is no change of the affected LEDs.	
Documentation:	Customer information package: 2_cip_AO-IN-2024-015-A_ext Qualification report: 3_qual_ AO-IN-2024-015-A_ext	