

Infonote

AO-IN-2023-005-I

Update of pulse derating for automotive IR LEDs from OSOLON Black Series

15.02.2023

Dear Customer,

please take note of this **Infonote**.

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

Objective:	Update of pulse derating for automotive IR LEDs from OSLOM Black Series
Affected products:	SFH 4715AS A01; SFH 4716AS A01; SFH 4717AS A01; SFH 4718AS A01; SFH 4725AS A01; SFH 4726AS A01 SFH 4727AS A01; SFH 4728AS A01; SFH 47278AS A01 SFH 47267AS A01

Reason for change: The existing OSLOM Black products have been re-characterized with improved pulse handling capabilities on the datasheet, which allows customers to drive their existing IR LEDs with higher pulse currents at given driving conditions. This maximizes the optical power output that customers can get out of their existing IR LEDs, while remaining within quality and lifetime commitments of ams OSRAM according to AECQ standards.

Customers who have been using OSLOM Black Series can now benefit from the improved pulse handling capabilities, which are available in the updated datasheets.

	<u>Current status</u>	<u>New status</u>
Description of change:	<p>Permissible Pulse Handling Capability $I_F = f(t_p)$; duty cycle $D = \text{parameter}$; $T_S = 85^\circ\text{C}$</p>	<p>Permissible Pulse Handling Capability $I_F = f(t_p)$; duty cycle $D = \text{parameter}$; $T_S = 85^\circ\text{C}$</p>

Time schedule: The updated datasheets are available by 15th February 2023.

Assessment: There is no change of the affected IR LEDs.

Material (Q-no.)	Q Description	Device Family
Q65112A3325	SFH 4715AS A01	SFH 4715AS A01
Q65112A8609	SFH 4715AS A01-EA	SFH 4715AS A01
Q65112A5051	SFH 4716AS A01	SFH 4716AS A01
Q65113A2696	SFH 4716AS A01 BBKA	SFH 4716AS A01
Q65112A1518	SFH 4717AS A01	SFH 4717AS A01
Q65113A3411	SFH 4718AS A01	SFH 4718AS A01
Q65112A0273	SFH 4725AS A01	SFH 4725AS A01
Q65112A7041	SFH 4725AS A01 C1021	SFH 4725AS A01
Q65113A2048	SFH 4725AS A01 C1029	SFH 4725AS A01
Q65113A3363	SFH 4725AS A01 R33	SFH 4725AS A01
Q65112A7714	SFH 4725AS A01-DBEA	SFH 4725AS A01
Q65112A7457	SFH 4725AS A01-EA	SFH 4725AS A01
Q65113A3916	SFH 47267AS A01	SFH 47267AS A01
Q65112A0437	SFH 4726AS A01	SFH 4726AS A01
Q65113A3362	SFH 47278AS A01	SFH 47278AS A01
Q65112A0371	SFH 4727AS A01	SFH 4727AS A01
Q65112A7040	SFH 4727AS A01 C1021	SFH 4727AS A01
Q65113A2046	SFH 4727AS A01 C1029	SFH 4727AS A01
Q65113A3360	SFH 4727AS A01 R33	SFH 4727AS A01
Q65113A4626	SFH 4727AS A01 R33 C1001	SFH 4727AS A01
Q65112A8525	SFH 4727AS A01-EBFA	SFH 4727AS A01
Q65113A3361	SFH 4728AS A01	SFH 4728AS A01
Q65113A2869	SFH 4728AS A01 E9626	SFH 4728AS A01