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Datasheet Revision with Trr and Qrr update for HVM Commercial Power MOSFETs

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Description of Change: As part of Vishay Siliconix commitment to quality, we would like to extend to you a courtesy advisory notification of the datasheet revision with Trr and Qrr update for the HVM commercial MOSFET products, including SiHP068N60EF, SiHB068N60EF, SiHG068N60EF, SiHF068N60EF and SiHC068N60EFDFFR.

There is no change to the materials used in the manufacture of this part. We hope you find this Datasheet Update Advisory helpful.

This Advisory is for information only and there is no need for a response.

Reason for Change: Datasheet Revision

Expected Influence on Quality/Reliability/Performance: There will be no effect on the quality, reliability, or performance. There will be improvement for Trr and Qrr TYP. and MAX. values in the datasheet. (refer to page 2 for details)

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

Vishay Brand(S): Vishay Siliconix

Time Schedule:

Start Shipment Date: Sunday March 1, 2026

Sample Availability: N/A

Product Identification: No change on part number and product marking

Qualification Data: No qualification processed for the document correction and update

Issued By: Michael Hsieh, michael.hsieh@vishay.com



Product Information Notification



Product Group: SIL/Sunday February 22, 2026/PIN-SIL-017-2026-REV-0

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SIHB068N60EF-GE3	SIHB068N60EF-T1GE3	SIHB068N60EF-T5GE3	SIHC068N60EFDFFR	SIHF068N60EF-GE3
SIHG068N60EF-GE3	SIHP068N60EF-GE3			



EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: There will be no effect on quality, reliability, performance, and improvement for T_{rr} and Q_{rr} TYP. and MAX. values in the datasheet.

Vishay Part Number	Datasheet Revision	
	Old	New
SiHF068N60EF	Rev. C	Rev. D
SiHB068N60EF	Rev. C	Rev. D
SiHP068N60EF	Rev. B	Rev. C
SiHG068N60EF	Rev. B	Rev. C
SiHC068N60EFDFFR	Rev. A	Rev. B

BEFORE (T_{rr} and Q_{rr}): (TYP. and MAX. value)

Reverse recovery time	t_{rr}	$T_J = 25\text{ }^\circ\text{C}$, $I_F = I_S = 16\text{ A}$, $di/dt = 100\text{ A}/\mu\text{s}$, $V_R = 400\text{ V}$	-	152	304	ns
Reverse recovery charge	Q_{rr}		-	1	2	μC
Reverse recovery current	I_{RRM}		-	14	-	A

AFTER (T_{rr} and Q_{rr}): (TYP. and MAX. value)

Reverse recovery time	t_{rr}	$T_J = 25\text{ }^\circ\text{C}$, $I_F = I_S = 16\text{ A}$, $di/dt = 100\text{ A}/\mu\text{s}$, $V_R = 400\text{ V}$	-	120	240	ns
Reverse recovery charge	Q_{rr}		-	0.8	1.6	μC
Reverse recovery current	I_{RRM}		-	14	-	A