Product Bulletin

Document #:PB27597X
Issue Date:26 Oct 2026

Title of Change:	Datasheet update for Recommended Vgs Operating Conditions
Effective date:	26 Oct 2026
Contact information:	Contact your local onsemi Sales Office
Type of notification:	This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin.
Change Category:	Datasheet update
Change Sub-Category(s):	Datasheet/Product Doc change

Sites Affected:

onsemi Sites	**External Foundry/Subcon Sites**
None	None

Description and Purpose:

This Bulletin provides formal notification of an update to the recommended operating conditions for Gate-to-Source Static Voltage (VGSop).

The recommended operating range now includes 0 V gate-drive operation.

While 0 V turn-off is formally within the recommended range, its implementation requires consideration of system-level design trade-offs.

Detailed design guidance and application considerations are provided in Application Note AND90255/D.

Parameter	Symbol	Value		Unit
		Current	Updated	
Operation Values of Gate-to-Source Voltage	VGSop	-5…-3 +18	**-5…0/+18**	V

Added comment below table: "**Operation at 0 V turn-off requires evaluation of system-level design trade-offs; see AND90255/D before adopting it in a design.**"

The change will not impact form, fit, or function of product(s).

List of Affected Standard Parts:

***Note**: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.*

NTBL023N065M3S	NTBL032N065M3S	NTH4L070N120M3S
NTH4L040N120M3S	NTH4L030N120M3S	NTH4L022N120M3S
NTH4L013N120M3S	NTH4L032N065M3S	NTH4L023N065M3S
NTH4L016N065M3S	NTH4L012N065M3S	