



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20250602000.0
Datasheet for LMG3626**

Information Only

Date: June 02, 2025
To: MOUSER PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team.

Sincerely,

Change Management Team
SC Business Services


2025050602000.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
LMG3626REQR	NULL

Technical details of this Product Change follow on the next page(s).

PCN Number:	20250602000.0		PCN Date:	June 02, 2025
Title:	Datasheet for LMG3626			
Customer Contact:	Change Management team	Dept:	Quality Services	
Change Type:	Electrical Specification			
PCN Details				
Description of Change:				
<p>Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.</p>				
		LMG3626 <small>SLUSFB8B – SEPTEMBER 2023 – REVISED MAY 2025</small>		
Changes from Revision A (November 2023) to Revision B (May 2025)				Page
<ul style="list-style-type: none"> • Updated voltage rating from 650V to 700V and drain-source on resistance from 270mΩ to 220mΩ 1 • Updated text in the <i>Applications</i> section..... 1 • Updated voltage rating with Footnote (2), and added Footnote (3) in <i>Absolute Maximum Ratings</i> section..... 5 • Added max value of drain-source on resistance at 25°C and Updated typical value of drain-source on resistance at both 25°C and 125°C in the <i>GaN POWER FET</i> sub-section of <i>Electrical Characteristics</i> section 5 • Added min value of temperature fault – positive-going threshold temperature in the <i>OVERTEMPERATURE PROTECTION</i> sub-section of <i>Electrical Characteristics</i> section..... 5 • Added Output Capacitance vs Drain-Source Voltage graph and Output Capacitance Stored Energy vs Drain-Source Voltage graphs in <i>Typical Characteristics</i> section..... 10 • Updated figure and added sentence clarifying application usage in <i>GaN Power FET Switching Capability</i> section..... 15 • Updated figure in <i>Layout Example</i> the section..... 24 				
The datasheet number will be changing.				
Device Family		Change From:	Change To:	
LMG3626		SLUSFB8A	SLUSFB8B	
These changes may be reviewed at the datasheet links provided.				
http://www.ti.com/product/LMG3626				
Reason for Change:				
To accurately reflect device characteristics.				
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):				
No anticipated impact.				
Changes to product identification resulting from this PCN:				
None.				
Product Affected:				
LMG3626REQR	LMG3626REQR.A	LMG3626REQR.B	SN3626REQR	

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.