



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**Notification# 20250316004.0  
Datasheet for LP2980-N  
Information Only**

**Date:** March 17, 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

**20250316004.0**  
**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.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
LP2980IM5X-3.3/NOPB	NULL
LP2980AIM5-4.7/NOPB	NULL
LP2980AIM5-5.0/NOPB	NULL
LP2980IM5X-2.5/NOPB	NULL
LP2980IM5X-5.0/NOPB	NULL
LP2980AIM5X-2.5/NOPB	NULL
LP2980IM5-3.3/NOPB	NULL
LP2980IM5-3.8/NOPB	NULL
LP2980IM5-4.7/NOPB	NULL
LP2980AIM5X-3.3/NOPB	LP2980AIM5X-3.3/NO
LP2980AIM5-2.5/NOPB	NULL
LP2980IM5-5.0/NOPB	NULL
LP2980AIM5X-3.0/NOPB	NULL
LP2980AIM5X-5.0/NOPB	NULL
LP2980AIM5-3.0/NOPB	NULL
LP2980IM5-3.0/NOPB	NULL

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

<b>PCN Number:</b>	20250316004.0	<b>PCN Date:</b>	March 17, 2025
--------------------	---------------	------------------	----------------

**Title:** Datasheet for LP2980-N

**Customer Contact:** Change Management team      **Dept:** Quality Services

**Change Type:** Electrical Specification

### PCN Details

**Description of Change:**

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.



LP2980-N  
SNOS733R – APRIL 2000 – REVISED FEBRUARY 2025

Changes from Revision Q (November 2023) to Revision R (February 2025)	Page
• Changed description of N/C pin in <i>Pin Functions</i> table and added footnote 1.....	2
• Added ESR range for output capacitor.....	3
• Changed <i>Short-Circuit Current vs Time (New Chip)</i> , <i>Short-Circuit Current vs Temperature (New Chip)</i> , <i>Short-Circuit Current vs Time (New Chip)</i> curves.....	8
• Added <i>1µF ESR Range vs IOU (Legacy Chip)</i> , <i>2.2µF ESR Range vs IOU (Legacy Chip)</i> , and <i>10µF ESR Range vs IOU (Legacy Chip)</i> curves.....	8
• Added <i>Recommended Output Capacitors (Legacy Chip)</i> section.....	19
• Added <i>Tantalum Capacitors (Legacy Chip)</i> section.....	19
• Added <i>Aluminum Electrolytic Capacitors (Legacy Chip)</i> section.....	19
• Added <i>Multilayer Ceramic Capacitors (Legacy Chip)</i> section.....	20
• Changed <i>Recommended Output Capacitors (New Chip)</i> section.....	20
• Changed title and last paragraph of <i>Input Capacitor Requirements</i> section.....	21

The datasheet number will be changing.

Device Family	Change From:	Change To:
LP2980-N	SNOS733Q	SNOS733R

These changes may be reviewed at the datasheet links provided.  
<http://www.ti.com/product/LP2980-N>

**Reason for Change:**

To accurately reflect device characteristics. The datasheet update is driven by changes announced in PCN 20230906001.

These changes are part of our multiyear plan to transition products from our 150-millimeter and 200-millimeter factories to newer, more efficient manufacturing processes and technologies, underscoring our commitment to product longevity and supply continuity.

**Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):**

Datasheet update has no anticipated impact.

**Changes to product identification resulting from this PCN:**

None.

**Product Affected:**

LP2980AIM5-3.3/NOPB	LP2980AIM5-3.0/NOPB	LP2980IM5-3.0/NOPB	LP2980AIM5-2.5/NOPB
LP2980IM5-3.8/NOPB	LP2980AIM5-5.0/NOPB	LP2980IM5-3.3/NOPB	LP2980AIM5-4.7/NOPB
LP2980IM5-4.7/NOPB	LP2980AIM5X-3.0/NOPB	LP2980IM5-5.0/NOPB	LP2980AIM5X-2.5/NOPB
LP2980IM5X-5.0/NOPB	LP2980AIM5X-3.3/NOPB	LP2980IM5-2.5/NOPB	LP2980AIM5X-4.7/NOPB
LP2980IM5X-3.0/NOPB	LP2980IM5X-2.5/NOPB	LP2980IM5X-5.0/	LP2980AIM5X-5.0/NOPB

		J7001473	
LP2980IM5X-3.3/NOPB			

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](http://www.ti.com/legal/termsofsale.html)) or other applicable terms available either on [ti.com](http://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.