12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20250316004.0.A
Datasheet for LP2980-N
Information Only

The rev A is being issued to correct the format error in the affected device list.

Date: March 21, 2025

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

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

PCN Number:	20250316004.0.A	PCN Date:	March 21, 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.

TEXAS INSTRUMENTS

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 *Pin Functions* table and added footnote 1 2
- Added ESR range for output capacitor 3
- Changed *Short-Circuit Current vs Time (New Chip)*, *Short-Circuit Current vs Temperature (New Chip)*, *Short-Circuit Current vs Time (New Chip)* curves 8
- Added *1µF ESR Range vs IOUT (Legacy Chip)*, *2.2µF ESR Range vs IOUT (Legacy Chip)*, and *10µF ESR Range vs IOUT (Legacy Chip)* curves 8
- Added *Recommended Output Capacitors (Legacy Chip)* section 19
- Added *Tantalum Capacitors (Legacy Chip)* section 19
- Added *Aluminum Electrolytic Capacitors (Legacy Chip)* section 19
- Added *Multilayer Ceramic Capacitors (Legacy Chip)* section 20
- Changed *Recommended Output Capacitors (New Chip)* section 20
- Changed title and last paragraph of *Input Capacitor Requirements* 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/J7001473	LP2980AIM5X-5.0/NOPB
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.