12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20230630000.0
Datasheet for XTR11x
Information Only Datasheet

Date: June 30, 2023
To: TOKYO ELECTRON DEVICE (DSTR) 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

20230630000.0
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
XTR115U	null
XTR115UA	null
XTR115UA/2K5	null
XTR116UA/2K5	null
XTR115U/2K5	null

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

PCN Number:	20230630000.0	PCN Date:	June 30, 2023
Title:	Datasheet for XTR11x		
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

XTR115, XTR116
SBOS124B – JANUARY 2000 – REVISED JUNE 2023

Changes from Revision A (November 2003) to Revision B (March 2022) **Page**

- Updated the numbering format for tables, figures, and cross-references throughout the document..... 1
- Added *Pin Functions*, *ESD Ratings*, *Thermal Information*, *Recommended Operating Conditions*, and *Electrical Characteristics* tables, and *Detailed Description*, *Overview*, *Functional Block Diagram*, *Feature Description*, *Application and Implementation*, *Device and Documentation Support*, and *Mechanical, Packaging, and Orderable Information* sections..... 1
- Added *Pin Functions* table..... 3
- Changed operating temperature minimum value from –55°C to –40°C in *Absolute Maximum Ratings* 4
- Deleted thermal resistance, θ_{JA} specification of 150 °C/W from *Electrical Characteristics*; added a *Thermal Information* table, with $R_{\theta JA}$ = 128.2 °C/W and other detailed thermal parameters..... 4
- Changed span error test condition from: I_{IN} = 250 µA to 25 mA to: I_{OUT} = 250 µA to 25 mA in *Electrical Characteristics* 5
- Changed V_{REF} voltage accuracy vs load typical value from ±100 ppm/mA to ±200 ppm/mA in *Electrical Characteristics* 5
- Changed bias current vs temperature typical value from 150 pA/°C to 300 pA/°C in *Electrical Characteristics* 5
- Changed *Basic Circuit Connections* application diagram..... 9
- Changed *External Transistor* applications information section to incorporate additional guidance regarding transistor power dissipation and thermal concerns..... 10
- Added *Circuit Stability* application information section..... 12

The datasheet number will be changing.

Device Family	Change From:	Change To:
XTR11x	SBOS124A	**SBOS124B**

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/XTR115

Reason for Change:

To accurately reflect device characteristics.

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

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device

Changes to product identification resulting from this PCN:

None.

Product Affected:			
XTR115U	XTR115U/2K5	XTR115UA	XTR115UA/2K5
XTR116U	XTR116U/2K5	XTR116UA	XTR116UA/2K5

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