

TLIN1029-Q1 and TLIN2029-Q1 Duty Cycle Over V_{SUP}

The TLIN1029-Q1 and TLIN2029-Q1 devices have been released to production with associated LIN conformance documentation. TI has been made aware of, and validated that a 50-mV window exists, where the devices do not meet the duty cycle requirements specified in the data sheet. The window and duty cycle variation for each device are noted in the *Summary*. If the following changes affect your system, TI recommends that you notify your OEM and request a variance.

Summary

TLIN1029-Q1 and TLIN2029-Q1:

- When V_{SUP} is between 7.4 V and 9.4 V, there is a window of 50 mV where the D1 minimum value exceeds the ISO 17987 and SAE J2602 requirements by approximately 2%.
- When V_{SUP} is between 7.4 V and 9.4 V, there is a window of 50 mV where the D2 maximum value exceeds the ISO 17987 and SAE J2602 requirements by approximately 7%.
- When V_{SUP} is between 7.4 V and 9.4 V, there is a window of 50 mV where the D4 maximum value exceeds the ISO 17987 and SAE J2602 requirements by approximately 1%.

For more information, please contact your TI 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.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2020, Texas Instruments Incorporated