

Notification Number:	20220111002.0	Notification Date:	February 02, 2022
Title:	Datasheet for TLV915x		
Customer Contact:	Notification Manager	Dept:	Quality Services
Change Type: Electrical Specification			

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.



TLV9151, TLV9152, TLV9154
SBOS986E – OCTOBER 2019 – REVISED JANUARY 2022

Changes from Revision D (May 2021) to Revision E (January 2022)	Page
• Updated industry standard packages in <i>Features</i> to match the packages available in <i>Device Information</i> section	1
• Added SOT-23-14 (DYY) package to <i>Device Information</i>	1
• Added SOT-23-14 (DYY) package and pin functions in <i>Pin Configurations and Functions</i> section.....	4
• Removed WQFN-14 (RTE) package and pin functions in <i>Pin Configurations and Functions</i> section.....	4
• Removed WQFN-16 (RTE) package and pin functions in <i>Pin Configurations and Functions</i> section.....	4
• Corrected typo mislabeling the RUC package as having an "Exposed Thermal Pad" in <i>Pin Configurations and Functions</i> section.....	4
• Removed SOT-553 (DRL) package and pin functions from <i>Pin Configurations and Functions</i> section.....	4
• Removed SOT-563 (DRL) package and pin functions from <i>Pin Configurations and Functions</i> section.....	4
• Corrected typo in <i>Recommended Operating Conditions</i> which labeled V_{IH} as amplifier enabled and V_{IL} as amplifier disabled to correctly label V_{IH} as amplifier disabled and V_{IL} as amplifier enabled.....	9
• Added SOT-23-14 (DYY) package in <i>Thermal Information for Quad Channel</i> section.....	10
• Corrected typo mislabeling the RUC package as a "WQFN" package instead of as a "X2QFN" package in <i>Thermal Information for Quad Channel</i> section.....	10
• Removed "TLV9154S" from header of <i>Thermal Information for Quad Channel</i> section.....	10
• Maximum PSRR specification from $V_S = 4\text{ V}$ to 16 V changed from $\pm 1\ \mu\text{V/V}$ to $\pm 1.6\ \mu\text{V/V}$	11
• Maximum PSRR specification from $V_S = 2.7\text{ V}$ to 16 V changed from $\pm 5\ \mu\text{V/V}$ to $\pm 8.64\ \mu\text{V/V}$	11
• Minimum CMRR specification for $V_S = 16\text{ V}$ changed from 109dB to 99dB.....	11
• Corrected typo in I_{QSD} test conditions in <i>Electrical Characteristics</i> table from "SHDN = V-" to "SHDN = V- + 2 V".....	11
• Removed the overbar from the SHDN pin name in the note on t_{off} and t_{on} in the <i>Electrical Characteristics</i> section for consistency.....	11
• Updated Figure <i>EMIRR Testing</i> and Table <i>TLV9151 EMIRR IN+ for Frequencies of Interest in EMI Rejection</i> to match the increased performance from Figure <i>EMIRR (Electromagnetic Interference Rejection Ratio) vs Frequency</i> in <i>Electrical Characteristics</i>	23
• Changed input resistor values in <i>Equivalent Internal ESD Circuitry Relative to a Typical Circuit Application</i> in <i>Electrical Overstress</i> section to more closely resemble device	27
• Removed WQFN (RTE) package from <i>Packages With an Exposed Thermal Pad</i>	29
• Expanded the <i>Shutdown</i> section in the <i>Detailed Description</i> section to further clarify shutdown operation and corrected the current consumption in shutdown from $20\ \mu\text{A}$ to $30\ \mu\text{A}$ and the "typical enable time" in the section from $30\ \mu\text{s}$ to $8\ \mu\text{s}$ to align with the <i>Electrical Characteristics</i> section.....	29

The datasheet number will be changing.

Device Family	Change From:	Change To:
TLV915x	SBOS986D	SBOS986E

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TLV9151>

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 notification:			
None.			
Product Affected:			
TLV9151IDBVR	TLV9151IDCKR	TLV9151SIDBVR	TLV9152IDDFR
TLV9152IDGKR	TLV9152IDR	TLV9152IDSGR	TLV9152IPWR
TLV9152SIRUGR	TLV9154IDR	TLV9154IPWR	TLV9154IRUCR

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