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Notification Number:	20260811000.0	Notification Issued	August 14, 2026
Datasheet for TLV914x			

Change type(s)
Data Sheet/Electrical Specification

Notification 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.		
		TLV9141, TLV9142, TLV9144 SBOSAM4A – DECEMBER 2024 – REVISED JUNE 2026
Changes from Revision * (December 2024) to Revision A (June 2026)		Page
• Changed typical values of I_Q , GBW, offset voltage, and offset voltage drift throughout the document		1
• Added TLV9141 DCK and TLV9142 DDF, DGK, and RUG packages and associated content to document		1
• Updated description of phase margin when driving capacitive loads in <i>Description</i>		1
• Changed typical V_{OS} from $\pm 265\mu V$ to $\pm 220\mu V$		8
• Changed typical dV_{OS}/dT from $0.2\mu V/^{\circ}C$ to $0.65\mu V/^{\circ}C$		8
• Changed typical I_N from $0.5fA/\sqrt{Hz}$ to $10fA/\sqrt{Hz}$		8
• Changed typical GBW from 125kHz to 110kHz.....		8
• Changed PM test conditions from $R_L = 100k\Omega$, $C_L = 100pF$ to $R_L = 1M\Omega$, $C_L = 20pF$		8
• Changed typical PM from 40° to 50°		8
• Changed typical THD+N from 0.07% to 0.02% (73dB), and from 0.02% to 0.07% (63dB).....		8
• Changed typical I_Q from $7\mu A$ to $6.6\mu A$		8
• Updated Figure 5-1, Figure 5-2, Figure 5-3, Figure 5-4, Figure 5-6, Figure 5-23, Figure 5-24, Figure 5-25, Figure 5-26, and Figure 5-30.....		10
• Changed test conditions for Figure 5-4 from $R_L = 100k\Omega$ to $R_L = 1M\Omega$		10
• Updated guidance for offset and offset drift in <i>Typical Specifications and Distributions</i>		24
• Added example layout for TLV9141 in DCK package to <i>Layout Examples</i>		28
The datasheet number will be changing.		
Device Family	Change From:	Change To:
TLV914x	SBOSAM4	SBOSAM4A
These changes may be reviewed at the datasheet links provided.		
http://www.ti.com/product/TLV9141		
Reason for Change:	To accurately reflect device characteristics.	
Anticipated impact on Form, Fit, Function, Quality or Reliability:	There are changes in the electrical specifications. Review the updated datasheet for more details on the changes.	
Changes to product identification resulting from	None	

this PCN:

Products Affected:

TLV9142IPWR	TLV9142IPWR.A	TLV9144IDR	TLV9141IDBVR
TLV9144IDR.A	TLV9141IDBVR.A	TLV9144IN	TLV9142IDR
TLV9144IPWR.A	TLV9142IDR.A	TLV9144IPWR	TLV9144IN.A
TLV9141IDR.A	TLV9141IDR		

In performing change qualifications, Texas Instruments follows integrated circuit industry standards in performing defect mechanism analysis and failure mechanism-based accelerated environmental testing to ensure wafer fab process, assembly process and product quality and reliability. As encouraged by these standards, TI uses both product-specific and generic (family) data in qualifying its changes. For devices to be categorized as a 'product qualification family' for generic data purposes, they must share similar product, wafer fab process and assembly process elements. The applicability of generic data (also known at TI as Qualification by Similarity (QBS)) is determined by the Reliability Engineering function following these industry standards. Generic data is shown in the qualification report in columns titled "QBS Process" (for wafer fab process), "QBS Package" (for assembly process) and "QBS Product" (for product family).

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