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Notification Number:	20260806002.0	Notification Issued	August 11, 2026
Datasheet for REF54			

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.



REF54
SNVSCN7D – NOVEMBER 2023 – REVISED JUNE 2026

Changes from Revision C (May 2025) to Revision D (June 2026)	Page
• Removed product preview from Package Information table for the LCCC package.....	1
• Changed the document status from <i>Production Data</i> to <i>Production Mix</i>	1
• Changed REF54500CFKHT, REF54410CFKHT, REF54250CFKHT, and REF54300CDR devices variant status from preview to production data.....	3
• Updated to clarify operating temperature range vs specified temperature range.....	3
• Added REF54250IDR and REF54410IDR as product preview devices.....	3
• Added I grade device temperature drift preview specification.....	6
• Updated 3V variant noise reduction capacitor = 100μF noise specification from 0.1 ppm p-p to 0.11 ppm p-p.....	8
• Updated 4.096V variant noise reduction capacitor = 10μF noise specification from 0.2 ppm p-p to 0.24 ppm p-p.....	10
• Updated 4.096V variant noise reduction capacitor = 100μF noise specification from 0.09 ppm p-p to 0.11 ppm p-p.....	10
• Updated thermal hysteresis numbers for 4.096V variant to match 2.5V variants.....	10
• Added 3V, 4.5V, and 5V variants noise reduction capacitor = 10μF specification.....	12
• Updated 4.5V variant noise reduction capacitor = 100μF value from 0.08ppm p-p to 0.11ppm p-p.....	12
• Updated preview temperature drift from 0.5 ppm/°C to 0.8 ppm/°C for the ceramic package for the 2.5V, 4.096V, and 5V variants.	13
• Updated 5V variant noise reduction capacitor = 100μF value from 0.08 ppm p-p to 0.11 ppm p-p.....	13
• Added wideband noise specification with NR cap 1uF for 3V, 4.5V and 5V variants.....	13
• Added 9000 hours data to the long-term stability graph for FKH package and added temperature drift distribution for REF54xxxFKHT. Renamed plots to distinguish between REF54xxxFKHT and REF54xxxCDR. Figure 6-18 and Figure 6-20	15
• Added the 9000 hours long term stability data for FKH package to Figure 7-4	19
• Added layout example for FKH package.....	30

The datasheet number will be changing.

Device Family	Change From:	Change To:
REF54	SNVSCN7C	SNVSCN7D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/REF54>

Reason for Change:	To accurately reflect device characteristics.
Anticipated impact on Form, Fit, Function, Quality or Reliability:	None
Changes to product identification resulting from this PCN:	None

Products Affected:			
REF54250CDR	REF54250CDR.A	REF54300CDR	REF54410CDR
REF54410CDR.A	REF54410CFKHT	REF54500CDR	REF54500CDR.A

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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