



10-Bit Digital Temperature Sensor in 6-Lead SOT-23

Silicon Anomaly

AD7814

This anomaly list represents the known bugs, anomalies, and workarounds for the AD7814. The anomalies listed apply to all AD7814 packaged material branded as follows:

First Line AD7814

Analog Devices, Inc., is committed, through future silicon revisions, to continuously improving silicon functionality. Analog Devices tries to ensure that these future silicon revisions remain compatible with your present software/systems implementing the recommended workarounds outlined here.

AD7814 SILICON REVISION HISTORY

Silicon Revision Identifier	Kernel Revision Identifier	Chip Marking	Silicon Status	Anomaly Sheet	No. of Reported Anomalies
		All silicon branded AD7814	Release	Rev. 0	1

Rev. 0

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ANOMALIES**1. High Current State and/or Incorrect Temperature from Power Cycling [er001]**

Background:	False temperature data is sometimes recorded by the AD7814 temperature sensor.
Issue:	Power cycling the AD7814 may put the part into a high current state and/or return an incorrect temperature value.
Workarounds:	To return the part back to normal operation, the SCLK pin must be clocked 16 times. Alternatively, perform a dummy temperature read. Either of these actions restores the part to normal operation.
Related Issues:	None.

AD7814 SILICON ANOMALIES

Anomaly No.	Description	Status
er001	High current state and/or incorrect temperature from power cycling	Refer to the workaround described in the Anomalies section.