TLV320DAC3202 Errata

This document summarizes the errata item seen on TLV320DAC3202.

1 Errata #1: Current on AVDD Can Exceed the Specification Limit of 2 µA

1.1 Detailed Description

In certain cases, the shutdown current on AVDD can exceed the specification limit of 2 µA. It is possible to measure values as high as 40 µA.

ELECTRICAL CHARACTERISTICS (continued)

AVDD = 3.7 V, DVDD = 1.8 V, T_A = 25°C, unless otherwise specified.

PARAMETER		TEST CONDITIONS	MIN	TYP	MAX	UNIT
	Shutdown current	AVDD, GND mode(2)			2	µA
		DVDD, GND mode(2)			2	
		AVDD, HiZ mode(3)			1	
		DVDD, HiZ mode(3)			1	

1.2 Overall Impact

This has the potential to reduce the standby time of a battery-powered system. The impact to the overall system can be minimal if the shutdown current of the device is a small fraction of the overall system current consumption.

1.3 Workaround Proposal

The impact of this can be negated by disconnecting the AVDD supply when not needed.

1.4 Corrective Action

The TLV320DAC3202BYZJR will be replaced by a new revision of the device with the part number TLV320DAC3202CYZJR available in December 2011. The TLV320DAC3202CYZJR will fix the errata items and be 100% footprint and function compatible with the TLV320DAC3202BYZJR.

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