

PCN 14_0194 (Rev -) ADUM3201 Die Revision and Data Sheet

Data Sheet Changes

Yellow denotes an increase in specification value

Green denotes a decrease in specification value

Current Data Sheet IDD Limits

ADUM3201, 5.0V/5.0V Operation (From:)

Specification	Min	Typ	Max	Unit
I _{DD1} - 1Mbps		1.1	1.5	mA
I _{DD2} - 1Mbps		1.3	1.8	mA
I _{DD1} - 10Mbps		2.6	3.4	mA
I _{DD2} - 10Mbps		3.1	4.0	mA
I _{DD1} - 25Mbps		5.3	6.8	mA
I _{DD2} - 25Mbps		6.4	8.3	mA

ADUM3201, 3.0V/3.0V Operation (From:)

Specification	Min	Typ	Max	Unit
I _{DD1} - 1Mbps		0.7	1.3	mA
I _{DD2} - 1Mbps		0.8	1.6	mA
I _{DD1} - 10Mbps		1.5	2.1	mA
I _{DD2} - 10Mbps		1.9	2.4	mA
I _{DD1} - 25Mbps		3.0	4.2	mA
I _{DD2} - 25Mbps		3.6	5.1	mA

ADUM3201, 5.0V/3.0V Operation (From:)

Specification	Min	Typ	Max	Unit
I _{DD1} - 1Mbps		1.1	1.5	mA
I _{DD2} - 1Mbps		0.8	1.6	mA
I _{DD1} - 10Mbps		2.6	3.4	mA
I _{DD2} - 10Mbps		1.9	2.4	mA
I _{DD1} - 25Mbps		5.3	6.8	mA
I _{DD2} - 25Mbps		3.6	5.1	mA

ADUM3201, 3.0V/5.0V Operation (From:)

Specification	Min	Typ	Max	Unit
I _{DD1} - 1Mbps		0.7	1.3	mA
I _{DD2} - 1Mbps		1.3	1.8	mA
I _{DD1} - 10Mbps		1.5	2.1	mA
I _{DD2} - 10Mbps		3.1	4.0	mA
I _{DD1} - 25Mbps		3.0	4.2	mA
I _{DD2} - 25Mbps		6.4	8.3	mA

Revised Data Sheet IDD Limits

ADUM3201, 5.0V/5.0V Operation (To:)

Specification	Min	Typ	Max	Unit
I _{DD1} - 1Mbps		1.1	1.6	mA
I _{DD2} - 1Mbps		1.3	1.9	mA
I _{DD1} - 10Mbps		3.1	4.2	mA
I _{DD2} - 10Mbps		3.1	4.0	mA
I _{DD1} - 25Mbps		6.9	8.9	mA
I _{DD2} - 25Mbps		6.1	8.3	mA

ADUM3201, 3.3V/3.3V Operation (To:)

Specification	Min	Typ	Max	Unit
I _{DD1} - 1Mbps		0.7	1.3	mA
I _{DD2} - 1Mbps		0.8	1.6	mA
I _{DD1} - 10Mbps		1.9	2.5	mA
I _{DD2} - 10Mbps		1.9	2.5	mA
I _{DD1} - 25Mbps		4.1	5.3	mA
I _{DD2} - 25Mbps		3.7	5.1	mA

ADUM3201, 5.0V/3.3V Operation (To:)

Specification	Min	Typ	Max	Unit
I _{DD1} - 1Mbps		1.1	1.6	mA
I _{DD2} - 1Mbps		0.8	1.6	mA
I _{DD1} - 10Mbps		3.1	4.2	mA
I _{DD2} - 10Mbps		1.9	2.5	mA
I _{DD1} - 25Mbps		6.9	8.9	mA
I _{DD2} - 25Mbps		3.7	5.1	mA

ADUM3201, 3.3V/5.0V Operation (To:)

Specification	Min	Typ	Max	Unit
I _{DD1} - 1Mbps		0.7	1.3	mA
I _{DD2} - 1Mbps		1.3	1.9	mA
I _{DD1} - 10Mbps		1.9	2.5	mA
I _{DD2} - 10Mbps		3.1	4	mA
I _{DD1} - 25Mbps		4.1	5.3	mA
I _{DD2} - 25Mbps		6.1	8.3	mA

ADuM3200/3201 Die Rev Qual Summary

QUALIFICATION RESULTS			
TEST	CONDITIONS	SAMPLE SIZE	RESULTS
High Temperature Operating Life (HTOL)*	JEDEC <i>JESD22-A108</i>	9 x 77	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	9 x 77	Pass
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	8 x 45 1 x 77	Pass
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	7 x 45 2 x 77	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	7 x 77 2 x 45	Pass
SHR (Solder Heat Resistance)*	ADI-0049	1 x 30	Pass
Latch-Up	JEDEC Standard 78	1 x 12	Pass +/- 200mA @ +8.25V
Electrostatic Discharge <i>Human Body Model</i>	ESD Association <i>JEDEC JS-001-2011</i>	1 x 18	Pass ±4000V
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	ESD Association <i>JESD22-C101</i>	1 x 18	Pass ±1000
Electrostatic Discharge Machine Model	JESD22-A115	1x18	Pass ±200V

*Preconditioned per JEDEC/IPC J-STD-020