

# Qualification Results Summary for ADuM1280/ADuM1281/ADuM1285/ADuM1286 Die Revision, and Data Sheet Change

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
High Temperature Operating Life (HTOL)*	JEDEC <i>JESD22-A108</i>	<b>3x77</b>	<b>Pass</b>
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	<b>9x77</b>	<b>Pass</b>
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	<b>9x77</b>	<b>Pass</b>
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	<b>9x77</b>	<b>Pass</b>
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	<b>9x77</b>	<b>Pass</b>
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	<b>1x30</b>	<b>Pass</b>
Latch-Up	JEDEC <i>JESD78</i>	<b>1x9</b>	<b>Pass ±200mA @ +8.25V</b>
Electrostatic Discharge <i>Human Body Model</i>	ESDA/JEDEC <i>JS-001</i>	<b>1x18</b>	<b>Pass ±4000V</b>
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	<b>1x18</b>	<b>Pass ±1250V</b>

\*Preconditioned per JEDEC/IPC J-STD-020

Current Data Sheet Propagation Delay Limits				
ADuM1280, ADUM1281, ADuM1285, ADuM1286 (C grade only)				
5V Operation (From :)				
Specification	Min	Typ	Max	Unit
Propagation Delay	13	18	24	ns

Revised Data Sheet Propagation Delay Limits				
ADuM1280, ADUM1281, ADuM1285, ADuM1286 (C grade only)				
5V Operation (To :)				
Specification	Min	Typ	Max	Unit
Propagation Delay	20	23	29	ns

3V Operation (From :)				
Specification	Min	Typ	Max	Unit
Propagation Delay	20	25	33	ns

3.3V Operation (To :)				
Specification	Min	Typ	Max	Unit
Propagation Delay	22	27	35	ns

Mixed 5V/3V Operation (From :)				
Specification	Min	Typ	Max	Unit
Propagation Delay	13	20	26	ns

Mixed 5V/3.3V Operation (To :)				
Specification	Min	Typ	Max	Unit
Propagation Delay	20	25	31	ns

Mixed 3V/5V Operation (From :)				
Specification	Min	Typ	Max	Unit
Propagation Delay	16	24	30	ns

Mixed 3.3V/5V Operation (To :)				
Specification	Min	Typ	Max	Unit
Propagation Delay	20	27	33	ns