

Current Data Sheet Limits				
Desaturation Related Specifications				
Specification	Min	Typ	Max	Unit
Desat_Delay	213	312	529	ns
nReset Debounce	500	615	700	ns
Desat Treport		0.5	2	us
Desat internal current source	481	537	593	uA
Desat Soft SDN Delay	x	x	x	ns
Desat RDS_ON		x	x	Ω

Revised Data Sheet Limits				
Desaturation Related Specifications				
Specification	Min	Typ	Max	Unit
Desat_Delay	213	370	529	ns
nReset Debounce	500	700	900	ns
Desat Treport		0.5	2.2	us
Desat internal current source	440	537	600	uA
Desat Soft SDN Delay	130	150	320	ns
Desat RDS_ON		8	15	Ω

Current Data Sheet Limits				
UVLO/Minimum Supply Specifications				
Specification	Min	Typ	Max	Unit
VDD1 UVLO Pos Threshold		2.23	2.3	V
VDD1 UVLO Neg Threshold	2.0	2.135		V
VDD1 Hysteresis		0.095		V
VDD2 UVLO Pos Threshold		11.5	12	V
VDD2 UVLO Neg Threshold	10.4	11.1		V
VDD2 Hysteresis		0.4		V
VDD2 Supply	12		30	V
VDD1 Min Supply	2.3		6	V

Revised Data Sheet Limits				
UVLO/Minimum Supply Specifications				
Specification	Min	Typ	Max	Unit
VDD1 UVLO Pos Threshold		2.439	2.5	V
VDD1 UVLO Neg Threshold	2.3	2.342		V
VDD1 Hysteresis		0.097		V
VDD2 UVLO Pos Threshold		11.67	12.25	V
VDD2 UVLO Neg Threshold	10.4	11.27		V
VDD2 Hysteresis		0.4		V
VDD2 Supply	12.25		30	V
VDD1 Min Supply	2.5		6	V

ADuM4135 Die Revision and Data Sheet Change

Qualification Results Summary for ADuM4135 Die Revision

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	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>	9 x 77	Pass
Unbiased Highly Accelerated Stress Test (uHAST)*	JEDEC <i>JESD22-A118</i>	9 x 77	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	2 x 77 1 x 45	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	1 x 30	Pass
Latch-Up	JEDEC <i>JESD78</i>	1 x 9	Pass
Electrostatic Discharge <i>Human Body Model</i>	ESDA/JEDEC <i>JS-001</i>	3/voltage	Pass 3kV
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	ESDA/JEDEC <i>JS-002</i>	3/voltage	Pass 1.25kV

*Preconditioned per JEDEC/IPC J-STD-020