

Product/Process Change Notice - PCN 14_0250

Qualification Results Summary of 4" to 6" Qualification for the AD22103 (TO92)

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
High Temperature Operating Life (HTOL)*	JEDEC <i>JESD22-A108</i>	4 x 77 5 x 45	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	2 x 77 7 x 45	Pass
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	2 x 77 7 x 45	Pass
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	2 x 77 7 x 45	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	3 x 77	Pass
Latch-Up	JEDEC <i>JESD78</i>	3	Pass ±200mA @ +5.4V
Electrostatic Discharge <i>Human Body Model</i>	ESDA/JEDEC <i>JS-001</i>	3/voltage	Pass ±5500V
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass ±1250V

*Preconditioned per JEDEC/IPC J-STD-020

Qualification Results Summary of 4” to 6” Qualification for the AD22103 (SOIC_N)

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
High Temperature Operating Life (HTOL)*	JEDEC <i>JESD22-A108</i>	4 x 77 5 x 45	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	2 x 77 7 x 45	Pass
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	5 x 77 4 x 45	Pass
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	4 x 77 5 x 45	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	3 x 77	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	1 x 30	Pass
Latch-Up	JEDEC <i>JESD78</i>	3	Pass ±200mA @ +5.4V
Electrostatic Discharge <i>Human Body Model</i>	ESDA/JEDEC <i>JS-001</i>	3/voltage	Pass ±5500V
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass ±1250V

*Preconditioned per JEDEC/IPC J-STD-020