

AD5700/AD5700-1 Qualification Results Table

QUALIFICATION RESULTS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
High Temperature Operating Life (HTOL)*	JEDEC <i>JESD22-A108</i>	3x77	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3x77	Pass
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3x77	Pass
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	3x77	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	1x50	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3x11	Pass
Latch-Up	JEDEC <i>JESD78</i>	6	Pass
Electrostatic Discharge <i>Human Body Model</i>	ESDA/JEDEC <i>JDS-001-2011</i>	3/voltage	Pass _8000_ V
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass _1500_ V

*Preconditioned per JEDEC/IPC J-STD-020

QUALIFICATION RESULTS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
High Temperature Operating Life (HTOL)*	JEDEC <i>JESD22-A108</i>		Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>		Pass
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>		Pass
Temperature/Humidity/Bias (THB)*	JEDEC <i>JESD22-A101</i>		Pass
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>		Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>		Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>		Pass
Latch-Up	JEDEC <i>JESD78</i>	6	Pass
Electrostatic Discharge <i>Human Body Model</i>	ESDA/JEDEC <i>JDS-001-2011</i>	3/voltage	Pass ___ V
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass ___ V

The table below would be used when the change covers multiple packages. The package attributes would be items such as die attach material, mold compound, bond wire type, die coat, etc. The Reliability engineer would determine the appropriate stress tests. The column headings for the stress tests would be replaced with the appropriate test descriptions as shown in the above table.

QUALIFICATION RESULTS						
Package	Package Attribute 1	Package Attribute 2	Package Attribute 3	Stress Test 1	Stress Test 2	Stress Test 3
Package type 1				Pass	Pass	Pass
Package type 2				Pass	Pass	Pass
Package type 3				Pass	Pass	Pass
Package type 4				Pass	Pass	Pass
Package type 5				Pass	Pass	Pass