

**AD5700/AD5700-1 Qualification Results Table**

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

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

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

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