

Lamp Alternative Site (China) Reliability Test Summary

HLMP-1401, HLMP-1540, HLMP-K440

Environmental/Life Test	Reference	Stress Profile	Unites Tested	Units Failed
Temperature Cycling	Avago Std	-40/100°C 15/5min Dwell/Transfer, 100cyc	212 x 3	0
High Humidity High Temperature Storage Life	JESD22-A101	85°C, 85% RH, 1000hrs	56 x 3	0
High Humidity High Temperature Operating Life	JESD22-A101	85°C, 85% RH, 15mA, 1000hrs	56 x 3	0
High Temperature Operating Life	JESD22-A108	55°C, 30mA, 1000hrs	56 x 3	0
Low Temperature Storage Life	JESD22-A119	-40°C, 1000hrs	56 x 3	0
High Temperature Storage Life	JESD22-A103	100°C, 1000hrs	56 x 3	0
Solder Heat Resistance	JESD22-B106	260°C for 10s, 2x	30 x 6	0

HLMP-K101, HLMP-1640, HLMP-3519, HLMP-C208, HLMP-S501, HLMP-D150

Environmental/Life Test	Reference	Stress Profile	Unites Tested	Units Failed
Temperature Cycling	Avago Std	-40/100°C 15/5min Dwell/Transfer, 100cyc	468 x 6	0
High Humidity High Temperature Storage Life	JESD22-A101	85°C, 85% RH, 168hrs	84 x 6	0
Solder Heat Resistance	JESD22-B106	260°C for 10s, 2x	30 x 6	0

All qualification vehicles completed the required Quality and Reliability test without any failures.