

## Reliability Data Sheet

### Description

The following cumulative test results have been obtained from testing performed at Avago Technologies in accordance with the latest revision of MIL-STD-883 and Jedec Standard. Avago tests parts at the absolute maximum rated conditions recommended for the device. The actual

performance you obtain from Avago parts depends on the electrical and environmental characteristics of your application but will probably be better than the performance outlined in Table 1.

**Table 1. Environmental Tests**

Test Name	Test Conditions	Units Tested	Unit Failed
Thermal shock1	-40°C/85°C, 20 0 20 100 cycles	56	0
Thermal Shock2 (Mounted on mouse)	-30°C/65°C, 15 5 15 min, ramp-up rate 5°C/min, 150 cycles	5	0
Low Temperature Storage -> Humidity Storage Life	-40°C, 24h -> 60°C/90%RH, 168h	28	0
Low Temperature Operating -> Humidity Operating Life	-40°C, 30mA, 24h -> 60°C/90%RH, 15mA, 168h	28	0
Pull Test1	Pull the strips from the two terminals of the housing. No broken strip at the pull strength of 1.5N (0.4lb)	20	0
Pull Test2 (after Low Temperature Storage, 24h -> Humidity Storage Life, 48h)	Pull the strips from the two terminals of the housing. No broken strip at the pull strength of 1.5N (0.4lb)	20	0
Pull Test3	Pull the housing from the PCB. No lifted housing from PCB at the pull strength of 4.0N (0.9lb)	20	0
Pull Test4 (after Low Temperature Storage, 24h -> Humidity Storage Life, 48h)	Pull the housing from the PCB. No lifted housing from PCB at the pull strength of 4.0N (0.9lb)	20	0
Drop Test (Mounted on mouse)	Drop on to 0.25" industrial steel surface, from the height of 30" to 33", for 6 orientations.	5	0
Random Vibration (Mounted on mouse)	1.2gm, 5-500Hz, 30 min per axis.	5	0

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