2.5 Environmental limits

2.5.1 Temperature

Operating   : 5 C to 50 C (40 F to 122 F) ambient

Non-Operating: -40 C to 60 C (-40 F to 140 F)
The temperature cycling shall not result in
condensation.

2.5.2 Humidity

Operating   : 20% to 80% relative humidity with a wet bulb
temperature of 29 C (85 F), with no condensation.

5% to 90% relative humidity with a wet bulb
temperature of 37.8 C (100 F) if the track
alignment specification (Section 2.11) is relaxed
to +/-0.040 mm from +/-0.035 mm, with no
condensation.

Non-Operating: 5% to 95% relative humidity with no condensation.

2.5.3 Vibration

Operating   : The unit shall perform read/write operation without
errors with continuous vibration from 5 to 100 Hz
at a maximun of 0.5G along each of the three
mutually perpendicular axes.

Non-Operating: The unit shall be able to withstand continuous
vibration from 5Hz to 300Hz with a maximun level of
2.0G along each of the three mutually perpendicular
axes without any degradation of any characteristics
below the performance specification.

2.5.4 Shock

Operating   : The unit shall be able to withstand a 1.0G shock
for 11 milliseconds with a 1/2 sine wave shape in
each of the three mutually perpendicular axis while
performing normal read/write functions without
damage or any loss of data.

Non-Operating: The unit when unpacked shall withstand a shock of
60G on any of the three mutually perpendicular
axis.

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apple computer inc.	A	699-0285-A	
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