

1.0 Description

This specification defines a single sided 3.5 inch Micro-Floppy disk Drive, Apple part number 699-0285.

2.0 Specification

The drive shall satisfy the following specifications when a diskette meeting the Apple disk specification, specification number 003-0001, is used.

2.1 Configuration

The drive consists of a read/write head, head positioning mechanism, disk motor, interface logic circuit, read/write circuit, and auto eject, and uses a 3.5 inch microfloppy diskette, as shown in Figure 2.1. The drive itself shall meet UL 478 and CSA C22.2 No. 154-1983 requirements for safety.

2.2 Mechanical Dimensions

The mounting holes are shown in Figure 2.2, and the complete mechanical dimensions are shown in Apple drawing number 699-0285 page 39, which is an addendum to this specification available on request.

2.3 Performance

2.3.1 Capacity and Encoding Method - see Appendix B

2.3.2 Transfer Rate

Detected flux transitions shall occur not less than 1.89 usec nor more than 6.36 usec apart.

2.3.3 Access Time

- a. Track to track slew rate : 12 msec Max
- b. Track to track step settling time : 30 msec Max
(These times are satisfied when the head is positioned and stable within 0.035 mm of its absolute position as defined in 2.11.)
- c. Speed group to speed group motor settling time : 150 msec Max
- d. Motor start time : 400 msec Max
(These times are satisfied when the motor speed has settled to within +/- 1% of its final average rpm.)

 **apple computer inc.**

SIZE
A

DRAWING NUMBER
699-0285-A

SCALE:

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