2-3. PERFORMANCE

2-3-1. Capacity

Unformated Capacity : 1.0MB/disk for MFM
0.5MB/surface for MFM
6.25KB/track for MFM

2-3-2. Transfer Rate

Burst Transfer Rate : 500Kbits/sec for MFM

2-3-3. Access Time

a. Track to Track Slew Rate
: 6msec Min.
b. Track to Track Step Settling Time
: 15msec Max.

The value of 15msec is the time necessary to stabilize the head within 0.035mm of its absolute position.

d. Motor Start Time : 900msec Max.

Motor start time is the time that it takes for the READY signal to become true (low) after the MOTOR ON signal has been activated.

2-3-4. Functional

a. Rotation Speed : 600rpm

The continuous speed variation is within ±1.5%. The instantanuous speed variation is within ±1.0%.

b. Recording Density : 8717BPI
(Side 1, Track 79)
c. Track Density : 0.1875mm
$(7.38 \times 10^{-3}$ in.)
Track - Track

d. Cylinders : 80
e. Tracks : 160
f. R/W Heads : 2

2-3-5. Reliability

a. Mean Time Between Failures (MTBF)
: 10,000POH
b. Mean Time to Repair (MTTR)
: 30 minutes
c. Preventive Maintenance (PM)
: Not Required
d. Components Life
: 5 years or
15,000 POH
e. Error Rate
1. Soft Read Error : 1 per 10^9 bits read
2. Hard Read Error : 1 per 10^{12} bits read
3. Seek Error : 1 per 10^6 seeks

2-4. INPUT POWER REQUIREMENTS

2-4-1. Power Consumption

Standby	50mW
Operation (Read/Write mode)	2.6W