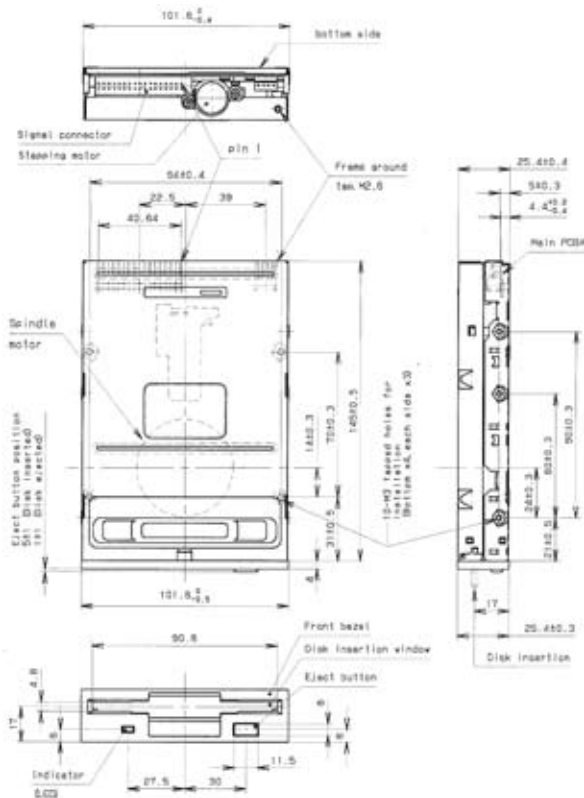


FD-235 SERIES 3.5-inch Floppy Disk Drive

FD-235HF / FD-235HG

- One-inch height design
- Operates on DC+5V power
- A choice of models to match your system requirements :
FD-235HF (2MB / 1MB), FD-235HG (2MB / 1.6MB / 1MB)
- Long-life, precise, reliable brushless DD motor



| | |
|----------------------|--|
| Data Capacity | FD-235HF : 2MB, 1MB (unformatted) FD-235HG : 2MB, 1.6MB, 1MB |
| Data Transfer Rate | 500kbits/s, 250kbits/s |
| Innermost Track | FD-235HF : 17434, 8717 (dpi) Bit Density FD-235HG : 17434, 14528, 8717 (dpi) |
| Rotation Speed | FD-235HF : 300 min ⁻¹ (rpm) FD-235HG : 300, 360, 300 min ⁻¹ (rpm) |
| Tracks/Disk | 160 |
| Track Density | 135 tpi |
| Number of Cylinders | 80 |
| Average Access Time | 94ms (Includes setting time) |
| Track to Track Time | 3ms |
| Settling Time | 15ms |
| Recording Method | FM or MFM |
| Media | 3.5 inch floppy disk High density (2HD) or Normal density (2DD) |
| Starting Time | 480ms or less |
| Average Latency Time | 2MB,1MB mode : 100ms 1.6MB mode : 83.3ms |
| Index | 1 per disk revolution Detection Interval : 2MB, 1MB mode : 200ms±1.5% 1.6MB mode : 166.7ms±1.5% |
| MTTF | 30,000POH or more |
| MTTR | When failure, the FDD should be replaced in unit of the drive. |
| Safety Standard | Approved by UL, CSA, TÜV and CE |
| Ambient Temperature | Operating : 4~51.7°C (39~12° F) Storage : -22~60°C (-8~140° F) Transportation : -40~65°C (-40~149° F) |
| Relative Humidity | Operating : 20~80% (non-condensing) Storage : 5~90% (non-condensing) Transportation : 5~95% (non-condensing) |
| Vibration | Operating : 14.7m/s ² (1.5G) or less (10~100Hz, 1oct/min) 9.8m/s ² (1.0G) or less (100~200Hz, 1oct/min) 4.9m/s ² (0.5G) or less (200~600Hz, 1 oct/min) Transportation : 19.6m/s ² (2G) or less (10~100Hz, 1/4oct/min) |
| Shock | Operating : Write & read : 49m/s ² (5G) or less Read only : 98m/s ² (10G) or less Transportation : 686m/s ² (70G) or less (11ms, 1/2 sine wave) |
| Power Requirements | DC+5V ±10% (DC+12V : Not required) Allowable ripple voltage : 100m Vp-p or less |
| Power Consumption | Stand-by mode : 40mW typ., Read/Write : 1.50W typ. |
| Dimensions | 101.6W X 25.4H X 145D (mm) [4"x1"x5.71"] |
| Mass (Weight) | 410g (0.90lbs) typical |

- * Specifications apply when the MFM recording method is used.
- * Each value is settled under a certain condition. Please refer the specification for more details.

Corporate and product names are the respective trademarks or registered trademarks of the companies mentioned. Features and specifications are subject to change without notice. Precaution : To ensure safe handling and operation, read the Instruction Manual before use.

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