

3.5-inch Floppy Disk Drive

DF35 Series

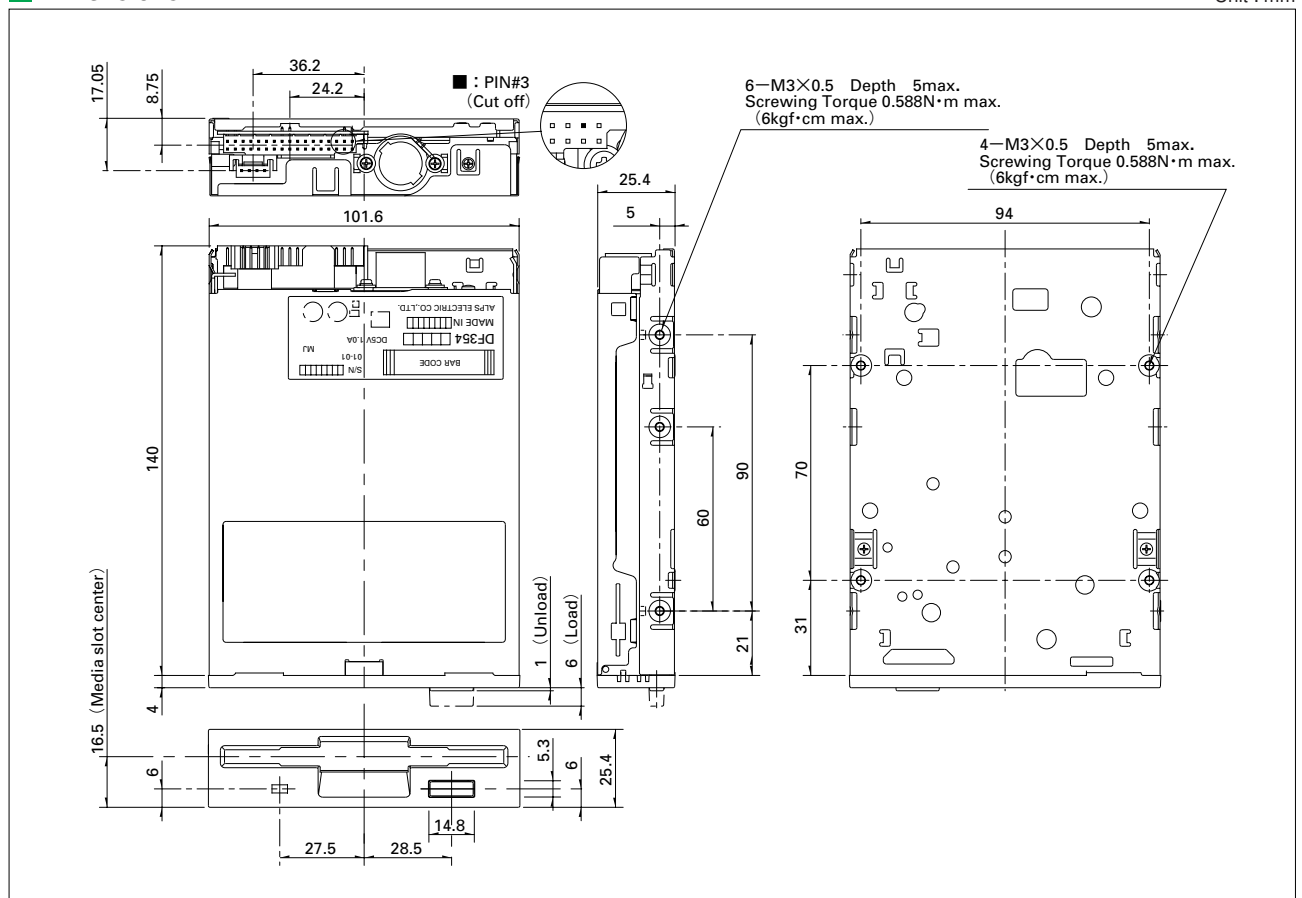

High Reliability Floppy Disk Drives by the employment of a direct-drive motor.

Features

- 25.4mm (1-inch) height body and 3.5-inch FDD standard size, facilitating easy system design.
- Three recording capacity mode (2MB, 1.6MB and 1MB) is available.
- High reliability attained by the employment of a direct-drive motor (Mean Time Between Failures (MTBF) of 80,000POH).
- Driven by a single 5V power supply, with low power consumption (1.1W (typ.) during read / write operation).
- Semi-sealed construction giving high performance by protecting against dust and anti-electromagnetic noise.
- FCC Class B applicable.
- The followings are available.
 1. With bezel (Standard) or without bezel (with shutter).
 2. Color choice of bezel, shutter and eject button
Ivory, Black (Standard)
Gray, the others (Custom Color).
 3. Color choice of LED (Green (Standard), Red, Amber).

Dimensions

Unit : mm



Specifications

Items	Model	
	DF354H	DF354N
Storage capacity (Unformatted)	2.0/1.0 MB	2.0/1.6/1.0 MB
Data transfer rate	500K/250K bps	500K/500K/250K bps
Recording density	686/343 bpmm (17434/8717 bpi)	686/558/343 bpmm (17434/14184/8717 bpi)
Track density	5.33 tpmm (135 tpi)	
Number of tracks	160	160/154/160
Rotation speed	300 min ⁻¹ (300 rpm)	300/360/300 min ⁻¹ (300/360/300 rpm)
Track to track seek time	3 ms	
Settling time	15 ms	
Motor start time	500 ms	
Dimensions (h) x (w) x (d)	25.4 x 101.6 x 140 mm (1 x 4 x 5.51 in.)	
Weight	420g (0.92 lb.)	

Environmental and Physical Specifications

Power	Supply voltage		5 V (±10%)
	Consumption	W/R	1.1 W (typ.)
		Standby	0.05 W max.
Environmental condition	Temperature (operating / non-operating)		5 to 50°C (41 to 122 °F) / -40 to 60°C (-40 to 140 °F)
	Humidity (operating / non-operating)		8 to 80 %RH / 5 to 90 %RH
	Wet bulb max.		29.4°C (85.0 °F)
Vibration resistance	Operating		7.16 m/s ² (0.73 G) 17 to 200Hz, 3.24 m/s ² (0.33 G) 200 to 500Hz
	Non-operating		19.61 m/s ² (2 G) 10 to 200Hz
Shock resistance	Operating		49 m/s ² (5 G) 11ms half sine
	Non-operating		686 m/s ² (70 G) 11ms half sine

Reliability

MTBF		80,000 POH
MTTR		30 minutes
Error rate	Soft	1per10 ⁹ bits
	Hard	1per10 ¹² bits
	Seek	1per10 ⁶ seeks

Safety Standards

Safety standards	UL, CSA and T V approved
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Note : This product is manufactured in Malaysia and China.

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This catalog is printed with Water-free surface printing,
which discharges no toxic waste fluid.



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