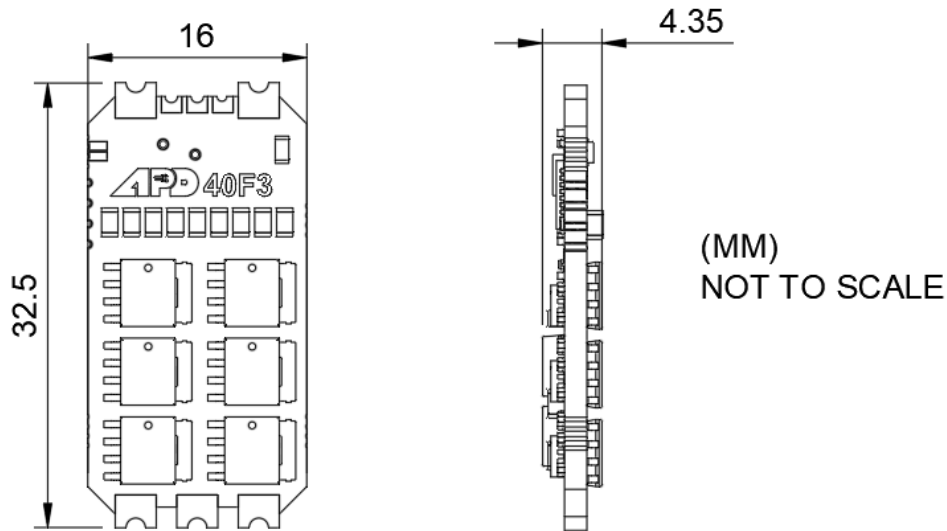




APD F Series: 40F3 Datasheet

Version	1.5	Date	20 th December 2021
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Drawings



Specification

Peak Power Rating (kW)	2.5	Weight (No cables) (g)	3
Continuous Current (A)	40	Dimensions (mm)	32.5 × 16 × 4.35
Continuous Rating Duration (s)	60	ProShot Frequency Range (Auto Detection) (kBit/Sec)	1000
Burst Current (A)	100	DShot Frequency Range (Auto Detection) (kBit/Sec)	300 to 1200
Burst Rating Time (s)	5	PWM Pulse Frequency Range (Auto Detection) (Hz)	50 to 499
Max Voltage (V)	25	Auto Output PWM-Freq	YES
Max ERPM	750,000	Regenerative Braking	YES
Input Resolution	10 bit	Max Regen Current (A)	18
	0.1%	Max Regen Voltage	110% Power on Voltage
Max No. of LiPo Cells (S)	6	Auto Timing Advance	YES
Min Voltage (V)	6	Stall and Desync Protection	YES
Min S (LiPo)	2	Configurator Tool	NO
Min Operating Temperature (°C)	-20	Data Logging (Black Box)	NO
Max Operating Temperature (°C) (50% current limiter threshold)	115	Bi-Directional Control	NO
Recommended Airflow to achieve max power ratings (m/s)	33	Micro USB Firmware Flashing	NO
Decoupling Capacitor	1 X 100uF 35V (Not Attached)	Country of Origin	Australia

CAD Drawing https://docs.powerdrives.net/downloads/cad-downloads	Quick Start Guide https://docs.powerdrives.net/products/f-series-esc
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