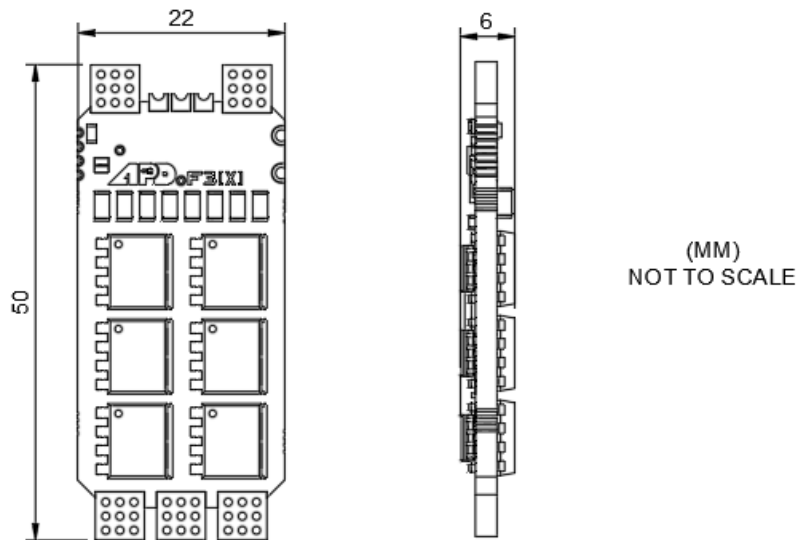




APD F Series: 80F3[X] Datasheet

Version	1.5	Date	20 th December 2021
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Drawings



Specification

Peak Power Rating (kW)	4	Weight (No cables) (g)	10
Continuous Current (A)	80	Dimensions (mm)	50 × 22 × 6
Continuous Rating Duration (s)	60	ProShot Frequency Range (Auto Detection) (kBit/Sec)	1000
Burst Current (A)	140	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)	35	Auto Output PWM-Freq	YES
Max ERPM	750,000	Regenerative Braking	YES
Input Resolution	10 bit	Max Regen Current (A)	14 (10% Max Current)
	0.1%	Max Regen Voltage	110% Power on Voltage
Max No. of LiPo Cells (S)	8	Auto Timing Advance	YES
Min Voltage (V)	15	Stall and Desync Protection	YES
Min S (LiPo)	4	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 330uF 50V (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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