ElectroCraze UBEC 5A

High-Current Switch-Mode Voltage Regulator

Heavy-duty BEC for high-demand servos, robotics & multi-rotor platforms

PRODUCT OVERVIEW



The **ElectroCraze UBEC 5A** is the high-current variant engineered for demanding RC and robotics applications requiring greater servo power. It steps down 2S–12S LiPo voltage to a regulated **5V or 7.4V** at up to **5A continuous,** making it ideal for multi-servo setups, large RC aircraft, heavy hexacopters and advanced robotic platforms. Its switch-mode topology minimises heat and maximises runtime.

SPECIFICATIONS

Model	ElectroCraze UBEC 5A
Input Voltage	8V – 48V (2S to 12S LiPo)
Output Voltage	5V (default) / 7.4V (selectable via PCB pad)
Output Current	Continuous 5A
Dimensions	22 × 14 × 7 mm
Weight	26 g
LED Indicator	Green — Power ON

KEY FEATURES

[DC] High-Efficiency Switching
Switch-mode design reduces heat and power loss

[5A] 5A Continuous Output
Handles high-demand servo loads effortlessly

[OC] Overcurrent Protection
Protects against excessive load currents

[SC] Short-Circuit Protection
Safe auto-shutdown on short-circuit events

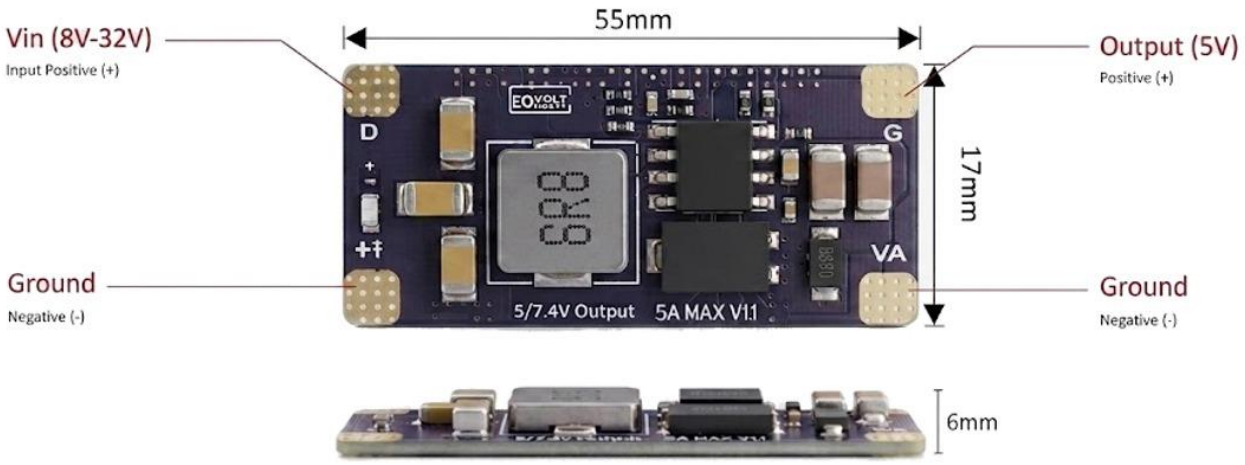
[TH] Overheat Protection
Thermal shutdown before component damage

[AV] Dual Voltage Output
Select 5.0V or 7.4V via PCB pad soldering

UBEC ON / OFF CONTROL (CTL PAD)

CTL Signal	UBEC Status
0V or not connected	**ON ✓**
8V – 48V applied	**OFF ✗**

WIRING SUMMARY



INPUT (5V – 28V)	OUTPUT (Selectable)	CTL (ON/OFF)
Vin → Positive (+)	5V or 7.4V → (+)	Open / 0V → ON
G → Negative (−)	G → Ground (−)	8V–48V → OFF

Voltage Selection: Default output is 5V. Solder the 7.4V PCB pad to switch to 7.4V output.

APPLICATIONS

Large RC Airplanes	**Hexacopters & Octocopters**	**RC Helicopters**
Robotic Arms & Platforms	**Multi-Servo Systems**	**Advanced Flight Controllers**

Technobotix Pvt. Ltd.
+91 7304482727 | +91 9730065959 | sales@technobotix.in | technobotix.in
Shipping & Replacement Policy: visit technobotix.in