

Basic ESC Datasheet

Technical Details

Specifications

Parameter	Value
Electrical	
Voltage	7-26 V (2-6S)
Max Current (Constant)	30 A (depending on cooling)
Physical	
Weight	16.3 g
Power Connectors	Spade terminals for No. 6 screw
Motor Connectors	Tinned wire ends
Signal Connector	3-pin servo connector (0.1" pitch) (ground, blank, signal)
Pulse Width Signal	
Signal Voltage	3.3-5 V
Max Update Rate	400 Hz
Stopped	1500 µs
Max forward	1900 µs
Max reverse	1100 µs
Signal Deadband	+/- 25 µs (centered around 1500 µs)
Firmware Defaults	
Directionality	Bidirectional (center throttle is zero/stopped)
Thermal Protection	
	Temperature
	≥140°C
	≥145°C
	≥150°C
	≥155°C
	Motor Power Limit
	75%
	50%
	25%
	0%

2D Drawings

