RD V-Series 80A 8S ESC

Trapezoidal



Input Voltage
4S to 8S LiPo

Dimension
92x38x22.50 (mm)

Optimized for
high performance

Continuous Current
40A

Weight
75 g (incl. wire)

Over current
protection

Product Description:

RD V-Series 80A 8S ESC is an advanced Electronic Speed Controller (ESC) designed for high-performance applications. **Made in India**, this model significantly enhances thermal and current handling capabilities.

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Technical Specification

S.No.	Parameter	Value	Remarks
1.	Product name	RD V-Series 80A 8S ESC	
2.	Voltage range	4S (14.8V) - 8S (33.6V)	-
3.	Commutation	Trapezoidal	
4.	Maximum Peak Current	80A (20 s)	Tested in 12.5 m/s continuous airflow and 26°C ambient Temperature
5.	Maximum Peak Power	2240 W (20 s)	Tested in 12.5 m/s continuous airflow and 26°C ambient Temperature
6.	Maximum Continuous Current	40A	Tested in 12.5 m/s continuous airflow and 26°C ambient Temperature
7.	Maximum Continuous Power	1400 W	Tested in 12.5 m/s continuous airflow and 26°C ambient Temperature
8.	Weight	75 g (Incl. Wire)	
9.	Dimension (mm)	92x38x22.50	
10.	BEC Output Voltage	No	-
11.	Operating Ambient Temperature	(-20℃) ~(+ 65℃)	-
12.	Standby current (24V)	≤ 36mA *	-
13.	Throttle Range	1050us ~ 1950us	-
14.	Recommended Throttle refresh frequency	50 Hz to 450 Hz	-
15.	Throttle I/P mode	PWM and D-Shot 300	-
16.	Over Temperature Protection	Yes	Limit at 100℃, Reduced to 50% throttle
17.	Overcurrent Protection	Yes	-
18.	Stuck Rotor Protection	Yes	-
19.	Waterproof Rating	IP56	-
20.	Invert Motor Spin	Yes	Configured using RD GUI
21.	Telemetry	Yes	With PWM and D-Shot

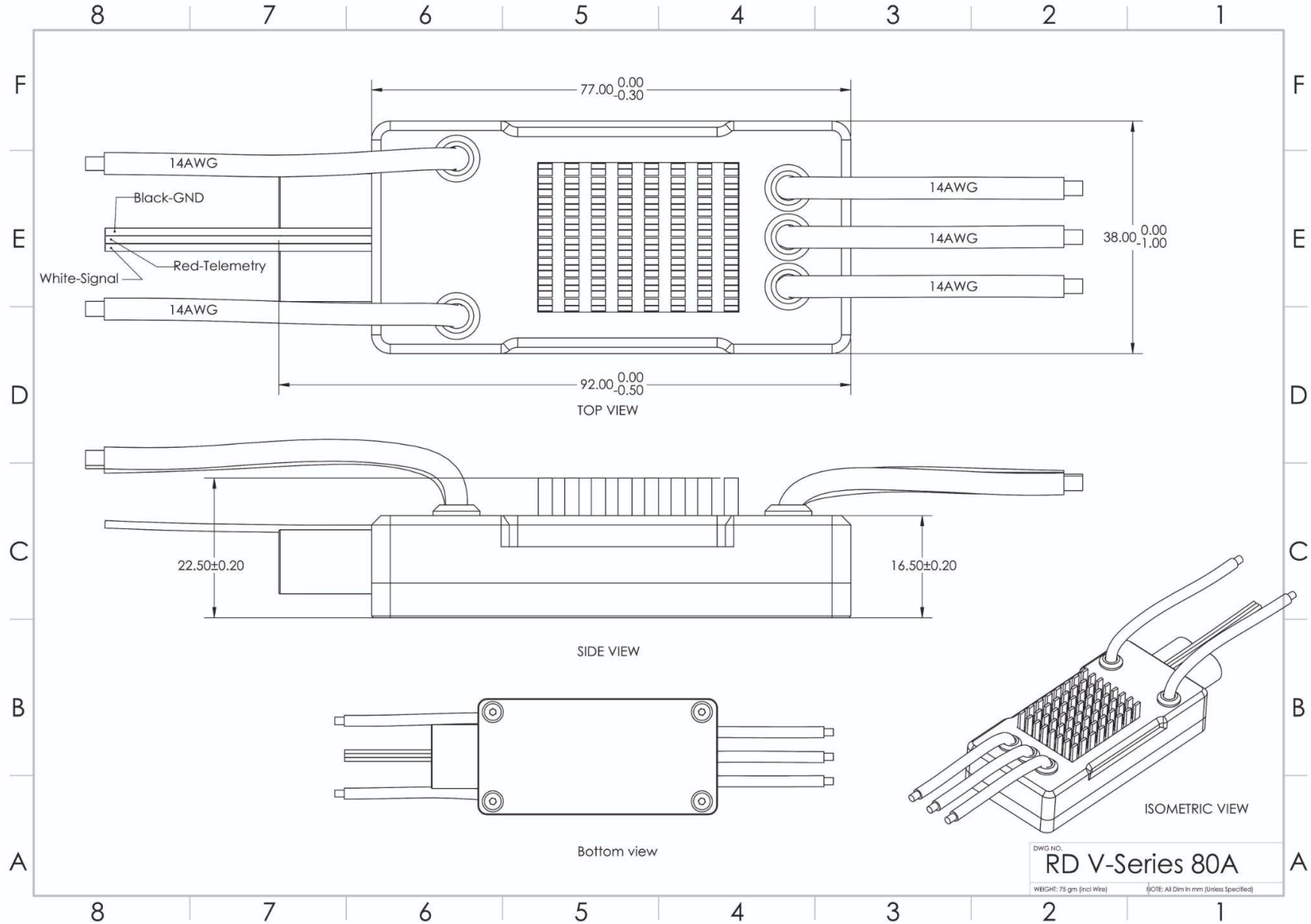
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Wire and Enclosure Specification

S.No.	Item	Wire colors / Size	Length	Remarks
1	Input cables	Silicone wires-red/black- **14 AWG**	14cm	±1cm
2	Output cables	Silicone wires-black(x3) - **14 AWG**	14cm	±1cm
3	Signal wires	Silicone wires - black , white(2P),red(1P) 3P-JR Connector	16cm	±1cm
4	Enclosure	Yes		PLA Plastic + Aluminium heatsink

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Technical Drawing



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