

GENERAL SPECIFICATION OF MD250MW-CAN

UPDATE : 28-08-2018

Control System	CAN BUS			
	Protocol	Standard 2.0A	Extended 2.0B	UAVCAN
	Baud-Rate	10kbps ~ 1 Mbps		
	Sample-Point	50% or 87.5%		
	Available SERVO ID	1 ~ 65535		
	Available Node ID	1 ~ 65535	1~2147483647	1~127
Input Signal Range	-4 V to 16 V			
Potentiometer	Contactless encoder			
Operating Voltage Range	4.8 V ~ 6.0V			
Motor Type	DC (Cored Cabon Brush)			
MCU	32Bits			
TEST	Voltage	At 4.8V	At 6.0V	At 7.4V
	No Load Speed	0.20sec/60° (300°/sec) (50RPM)	0.16sec/60° (35°/sec) (62.5RPM)	0.13sec/60° (462°/sec) (77RPM)
	Stall Torque	4.9kg·cm (68.42oz.in)	6.1kg·cm (85.59oz.in)	7.5kg·cm (104.72oz.in)
	Standing Current	32mA	32mA	32mA
	No Load Running Current	110mA	150mA	190mA
	Stall Current	1,000mA	1,300mA	1,600mA
	Operating Temperature Range	-20°C TO +60°C (-4°F TO +140°F)		
	Vibrations at No Load	MIL-STD-810G 514.6C-VII		
	Storage Temperature Range	-20°C TO +60°C (-4°F TO +140°F)		
Connector Wire Length	300mm(11.81in) /24AWG /Yellow : CAN Low, Green : CAN High			
Outline Dimensions	Metric	35.0 x 15.0 x 33.0mm	Inch	1.377 x 0.59 x 1.299 in
Weight	Gram	31.0g	Ounce	1.09oz
Ball Bearing	DUAL / MR106			
Case Material	Plastic			
Gear Material	1 Metal-Plastic & 4 Steel Gears			
Gear Train Backlash	Max 0.5°			
Horn Gear Spline	H25T (25 Segments / Ø6.0)			

