

GENERAL SPECIFICATION OF MD950TW-CAN

UPDATE : 03-12-20

		CAN BUS		
Control System	Protocol	Standard 2.0A	Extended 2.0B	UAVCAN
	Baud-Rate	10kbps ~ 1 Mbps		
	Sample-Point	50% or 87.5%		
	Available SERVO ID	1 ~ 65534		
	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 ~ 7.4V			
Motor Type	Coreless Metal Brush			
MCU	32Bits			
Operating Travel Angle	Default Travel Angle	±359°		
	Multi-Turn	±32767		
Voltage	At 4.8V	At 6.0V	At 7.4V	
No Load Speed	0.23sec/60° (261°/sec) (44RPM)	0.17sec/60° (353°/sec) (59RPM)	0.14sec/60° (429°/sec) (72RPM)	
Stall Torque	21.0kg·cm(291.63oz.in)	29.0kg·cm(402.73oz.in)	35.0kg·cm(486.05oz.in)	
Standing Current	30mA	30mA	30mA	
No Load Running Current	300mA	390mA	500mA	
Stall Current	3700mA	4800mA	6200mA	
Operating Temperature Range	-20°C ~ +70°C (-4°F ~ +158°F)			
Vibrations at No Load	MIL-STD-810G 514.6C-VII			
Storage Temperature Range	-30°C ~ +80°C (-31°F ~ +176°F)			
Connector Wire Length	300mm(11.81in) /24AWG /Yellow : CAN Low, Green : CAN High			
Outline Dimensions	40.0 x 20.0 x 38.0mm (1.57 x 0.79 x 1.50 in)			
Weight (±10%)	68g (2.4oz)			
Ball Bearing	Dual Ball Bearing / MR106			
Case Material	Engineering Plastic			
Gear Material	1 Metal + Plastic & 3 Titanium Alloy			
Gear Train Backlash	Max 0.5°			
Horn Gear Spline	H25T (25 Segment Ø5.0)			

