

GENERAL SPECIFICATION OF HSB-M9381TH ULTRA TORQUE BLDC SERVO

Control system	+PULSE WIDTH CONTROL 1500usec NEUTRAL	
Operating voltage range	6.0 V ~ 7.4V	
Operating temperature	-20°C ~ +70°C (-4°F ~ +158°F)	
Test voltage	At 6.0V	At 7.4V
Operating speed (At no load))	0.17sec/60°	0.14sec/60°
Stall torque	34.0kg·cm (472.16oz.in)	34.0kg·cm (472.16oz.in)
Idle current (At stopped)	27mA	27mA
Running current (At no load running)	250mA	250mA
Stall current	2700mA	2100mA
Dead band width	1usec	1usec
Input signal	+5.0V 1500usec±400usec	
Operating travel	±40° /ONE SIDE PULSE TRAVELING 400usec	
Direction	CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
Motor type	BLDC	
Potentiometer type	4 SLIDER, 1M cycle Long Life /SEMI INDIRECT DRIVE	
Amplifier type	DIGITAL AMPLIFIER WITH MOSFET DRIVE	
Case dimensions	40.0 x 20.0 x 38.0mm (±0.2mm) (1.57 x 0.79 x 1.50in)	
Weight	78.0 (2.78oz) (±10%)	
Gear set	5 Hardened steel	
Ball Bearing	Dual Ball Bearing /MR106	
Horn gear spline	H25T (25 Segment Ø6.0)	
Gear train backlash	Max 0.5°	
Connector wire length	300mm(11.81in)	
Connector wire stand counter	80ea	
Connector	20AWG	
Features	PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE DURABLE TITANIUM ALLOY METAL GEARS WITH DUAL BALL BEARING FULL METAL CASE & HEAT SINK FOR MOTOR=	
Applications	LARGE AIR PLANE MODELS	

