

D131MW General Specification.



SLIM WING SERVO

Control system	PWM			-
Position sensor type	Contact Analog Potentiometer			-
Operating voltage range	4.8 ~ 7.4 V			-
Motor type	Coreless			-
Voltage	4.8V	6.0V	7.4V	At 25°C, 45% (±10%) measurement environment
No load speed	0.17sec/65°	0.14sec/60°	0.11sec/60°	
Stall torque	1.7 kgf·cm(23.61oz·in)	2.2 kgf·cm(30.55oz·in)	2.7 kgf·cm(37.5 oz·in)	
Standing current	30mA	30mA	30mA	
No load running current	75mA	90mA	110mA	
Stall current	700mA	800mA	900mA	
Dead band width	2usec	2usec	2usec	
Operating travel	±40°/One side pulse traveing 400usec			-
Operating temperature range	-20°C ~ +60°C (-4°F ~ +140°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	180mm (7.09inch)			
Connector wire gauge	28AWG			
Dimensions	22.0 mm x 8.5 mm x 22.8 mm (0.86inch x 0.33inch x 0.89inch)			Refer to the tolerance information
Weight	9.4 g(0.33oz)			Excluding the weight of Horn
Ball bearing	2 Ball Bearing			-
Case material	Hardened Metal			-
Gear material	5 Metal Gears			-
Gear train backlash	Max 0.5°			-
Horn gear spline	M25T(Ø5)			-
IP rate	-			-
Servo Amplifier type	32bit programmable Digital			-
Features	-			-
Applications	-			-

