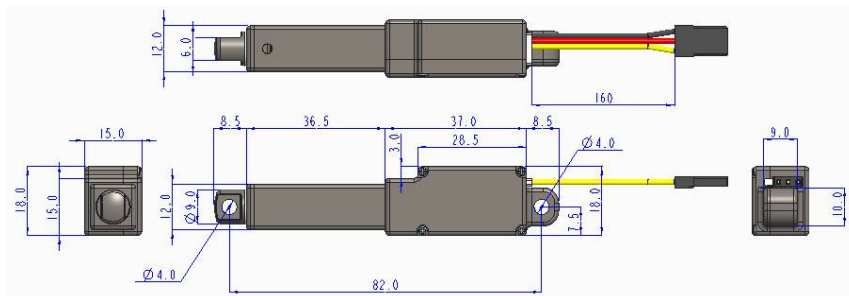


GENERAL SPECIFICATION OF HLS12-30



UPDATE : 2019-04-22

Control System	Pulse Width Modulation(PWM) (1000us ~ 2000us)			
Operating Voltage Range	4.8V ~7.4V			
Motor Type	DC Cored(carbon brush)			
Controller(MCU)	32Bits			
Gear Ratio	100:1			
Stroke Option	30mm			
Max Side Load(Extended)	40N			
Voltage	At 4.8V	At 6.0V	At 7.4V	
No Load Speed	10mm/s	13mm/s	15mm/s	
Idle current	45mA	50mA	55mA	
No Load Running Current	75mA	80mA	90mA	
Load Speed	1.7Kg(17N)	8mm/s	11mm/s	13mm/s
	3.1Kg(31N)	4mm/s	7mm/s	12mm/s
	4.2Kg(42N)	3mm/s	5mm/s	9mm/s
Load Running Current	1.7Kg(17N)	200mA	210mA	220mA
	3.1Kg(31N)	290mA	300mA	310mA
	4.2Kg(42N)	390mA	400mA	410mA
Stall Current	500mA	600mA	700mA	
Max Static Force	200N			
Max Linear force	4.2Kg(42N)			
Operating Temperature Range	-10°C ~ +50°C			
Vibrations at No Load	MIL-STD-810G 514.6C-VII			
Storage Temperature Range	-30°C ~ +80°C (-31°F ~ +176°F)			
Connector Wire Length	160mm(6.29in)			
Outline Dimensions	82.0 x 15.0 x 18.0mm(3.23 x 0.60 x 0.70in)			
Weight	34.0g(1.20oz)			
Ball Bearing	MF104 (open type)			
Case Material	Engineering Plastic & Hardened Metal			
Gear Material	Metal			
Repeatability	±0.2mm			



UNIT : mm

HITEC RCD KOREA INC.