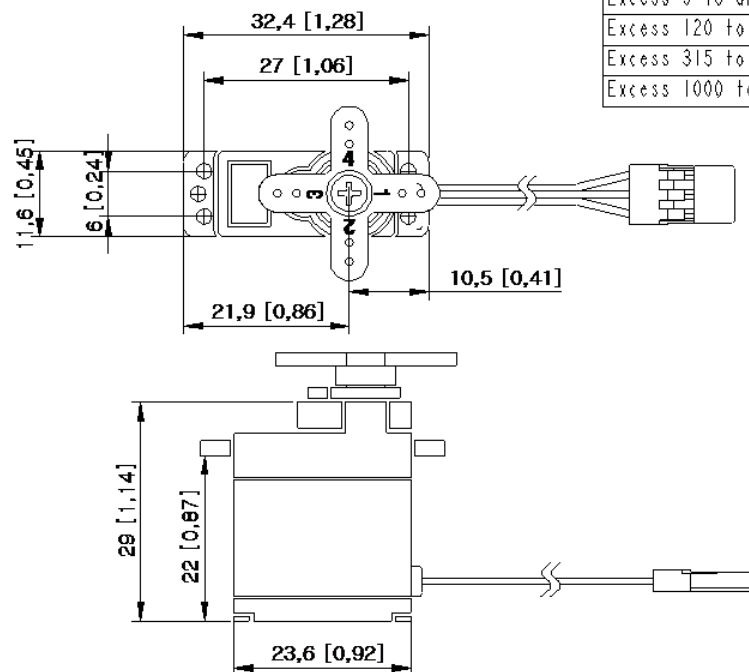


# MD70MH General Specification.



## INDUSTRIAL SERVO

Control system	PWM		-
Position sensor type	Contactless Magnetic Encoder		-
Operating voltage range	6.0 ~ 7.4 V		-
Motor type	Cored Metal Brush		-
Voltage	-	6.0V	7.4V
No load speed	-	0.15sec/60°	0.12sec/60°
Stall torque	-	3.1 kgf·cm(43.05oz·in)	3.8 kgf·cm(52.77oz·in)
Standing current	-	30mA	30mA
No load running current	-	200mA	240mA
Stall current	-	1,000mA	1,300mA
Dead band width	-	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	-		-
Storage temperature range	-30°C ~ +80°C (-31°F ~ +176°F)		-
Connector wire length	160mm ( 6.3 inch)		
Connector wire gauge	28AWG		
Dimensions	23.6 mm x 11.6 mm x 29.0 mm ( 0.92inch x 0.45inch x 1.14inch )		Refer to the tolerance information
Weight	13.3 g( 0.47oz)		Excluding the weight of Horn
Ball bearing	1 Ball Bearing		-
Case material	Engineering plastic		-
Gear material	1 Heavy Duty Resin & 4 Metal		-
Gear train backlash	Max 0.5°		-
Horn gear spline	M25T(Ø5)		-
IP rate	-		-
Servo Amplifier type	32bit programmable Digital		-
Features	-		-
Applications	-		-



Tolerance ,Unless Otherwise stated is	
Above 0.5 to and Including 9.0	±0.05
Excess 9 to and Including 120	±0.1
Excess 120 to and Including 315	±0.2
Excess 315 to and Including 1000	±1
Excess 1000 to and Including 2000	±2

1:1 scale (unit : mm)



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