

Stepping Motor Unit (Liner Drive)

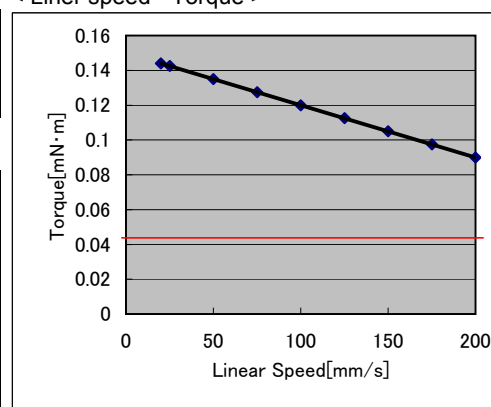
< Rated Specification >

Voltage	DC 3.0V
Current Consumption	50mA
Servo ON	
Servo OFF	350mA

< Motor >

Type	PM Stepping motor
Phase number	2
Magnet pole number	10
Step angle	18° (at 2 phase exiting)
Exiting	Constant voltage drive
Coil resistance	21±10% Ω/Phase
Coil insulation grade	115°C
Dielectric strength voltage	AC300V 1sec
Insulation resistance	10MΩ min

< Liner speed - Torque >



< Encoder >

Output mode	A,B phase 5Pulse/rev
Output interface	Open collector

< Operating environment >

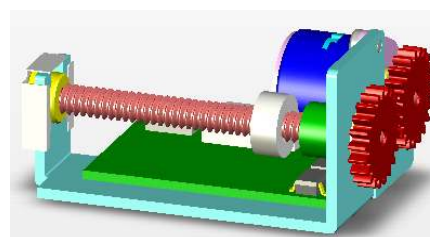
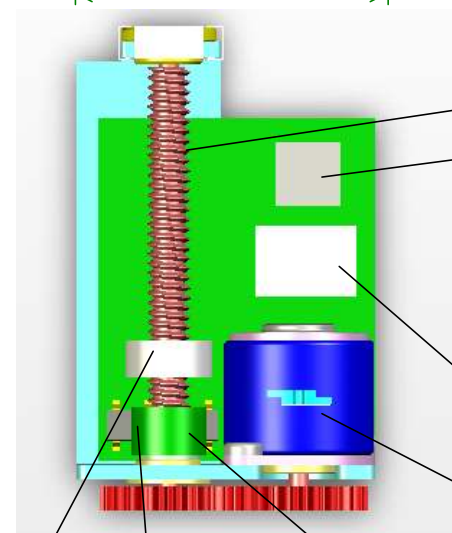
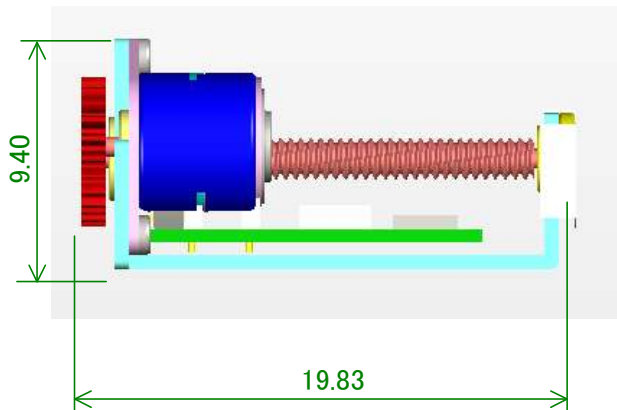
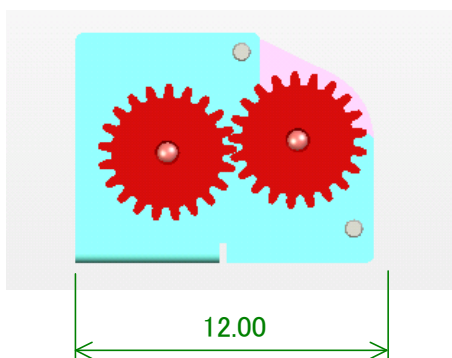
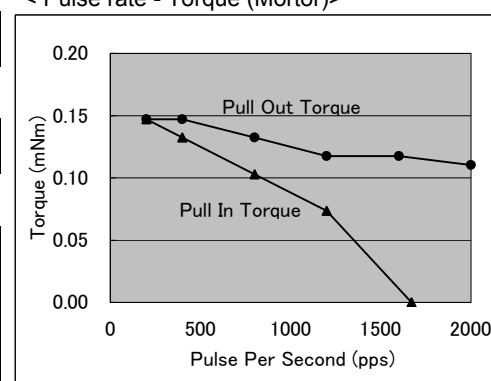
Operating temperature	-10~70°C not condensation
Preservation temperature	-40~70°C not condensation

< Unit >

Size	[mm]	20*20max (t=no instructions)
Load	[mN]	20
Inertia load	[g]	3
Resolution	[mm]	0.01
Peak speed	[mm/sec]	100
Stroke	[mm]	10

*suposition : 10mm/0.2sec

< Pulse rate - Torque (Mortor)>



Moving nut Hall sensors (x2) 10poles magnet

Lead screw

STM Drive IC

Encoder comparater

STM (Type : MSKR020*** φ6.5 diameter)