5-phase stepping motor

39mm sq.

103-45□□-70□□
0.36˚/step

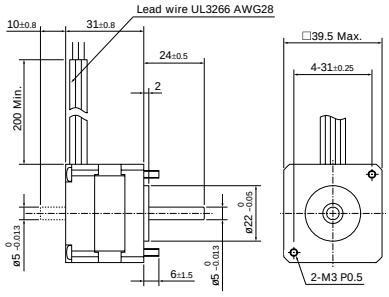
●For detailed information on applicable drivers,contact our Sales Department.

Specifications

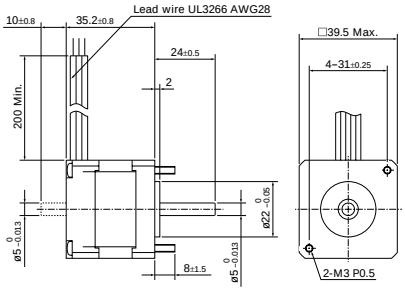
Model number		Holding torque at 5-phase energization	Rated current	Wiring resistance	Wiring inductance	Rotor inertia	Weight
Single-axis	Dual-axis	N.m or more	A/phase	Ω/phase	mH/phase	x 10^{-4}kg-m^2	kg
103-4505-7040	-7010	0.078	0.75	2	1.97	0.0182	0.17
103-4507-7040	-7010	0.108	0.75	2.35	3.8	0.024	0.2
103-4510-7040	-7010	0.167	0.75	3	6.2	0.036	0.3

Dimensions (unit: mm)

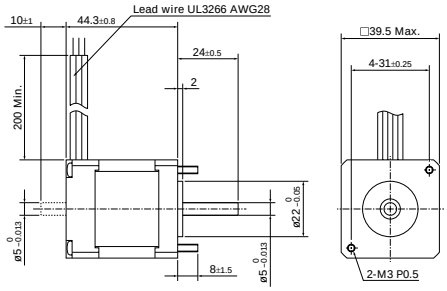
103-4505-7040 (Single shaft)
103-4505-7010 (Double shaft)



103-4507-7040 (Single shaft)
103-4507-7010 (Double shaft)

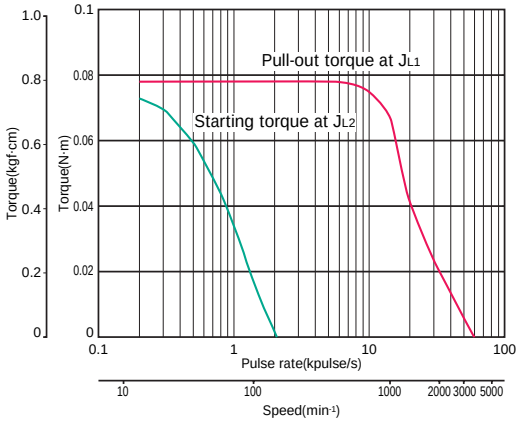


103-4510-7040 (Single shaft)
103-4510-7010 (Double shaft)



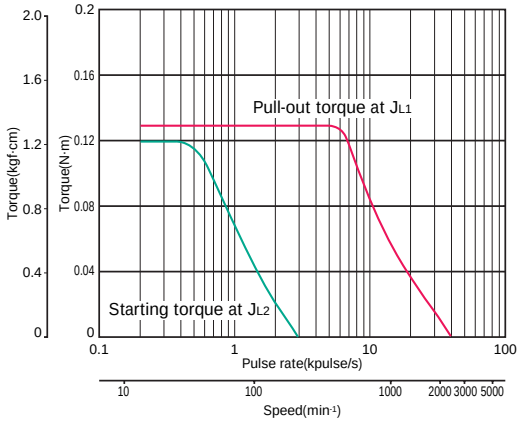
Pulse rate-torque characteristics

●103-4505-7040



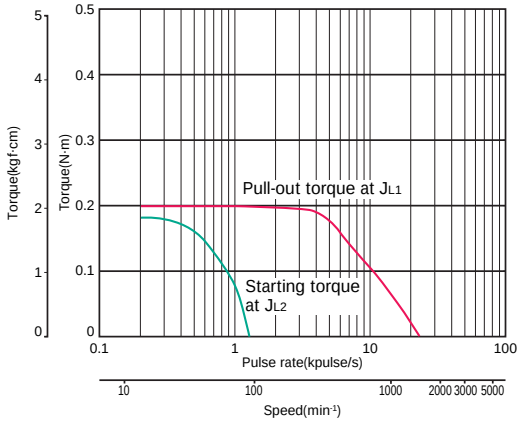
Sanyo constant current circuit
Source voltage : 24V DC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=0.33\times10^{-4}$kg・m² (With rubber coupling)
$J_{L2}=0.18\times10^{-4}$kg・m² (With direct-coupled coupling)

●103-4507-7040



Sanyo constant current circuit
Source voltage : 24V DC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=0.33\times10^{-4}$kg・m² (With rubber coupling)
$J_{L2}=0.18\times10^{-4}$kg・m² (With direct-coupled coupling)

●103-4510-7040



Sanyo constant current circuit
Source voltage : 24V DC・Winding current : 0.75A/phase
5-phase excitation (Full step)
$J_{L1}=0.94\times10^{-4}$kg・m² (With rubber coupling)
$J_{L2}=0.8\times10^{-4}$kg・m² (With direct-coupled coupling)