5-phase stepping motor

42mm sq.

103H55□□-70□□
0.72˚/step

●Applicable drivers

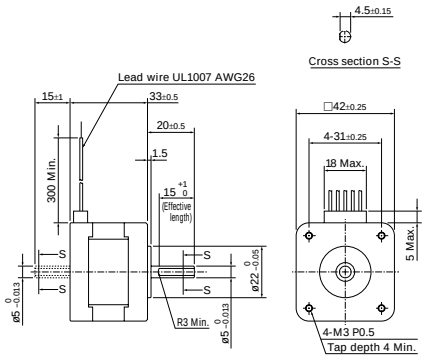
PMM-MA 50034 | PMM-BA 5603 5643 | PMDPC1S3P01 | PMM-MD-53030 PMM-MD-53031 | PMM-BD-53130 PMM-BD-53131 | PMDPA1A3P20 | PMDPA1C3P20

Specifications

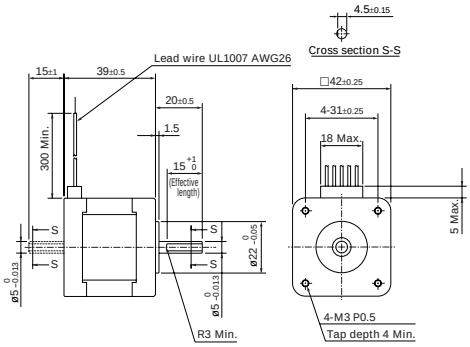
Model number		Holding torque at 5-phase energization	Rated current	Wiring resistance	Wiring inductance	Rotor inertia	Weight
Single-axis	Dual-axis	N.m or more	A/phase	Ω/phase	mH/phase	x 10^{-4}kg-m^2	kg
103H5505-7040	-7010	0.127	0.75	1.45	1.2	0.03	0.23
103H5508-7040	-7010	0.176	0.75	1.6	1.8	0.053	0.28
103H5510-7040	-7010	0.255	0.75	2.2	2.2	0.065	0.37

Dimensions (unit: mm)

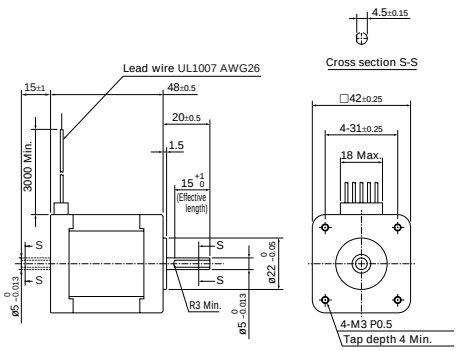
103H5505-7040 (Single shaft)
103H5505-7010 (Double shaft)



103H5508-7040 (Single shaft)
103H5508-7010 (Double shaft)

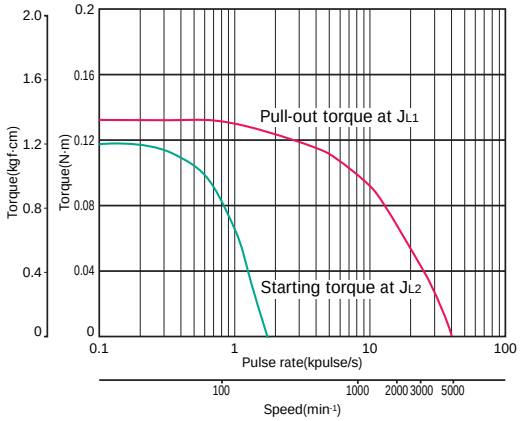


103H5510-7040 (Single shaft)
103H5510-7010 (Double shaft)



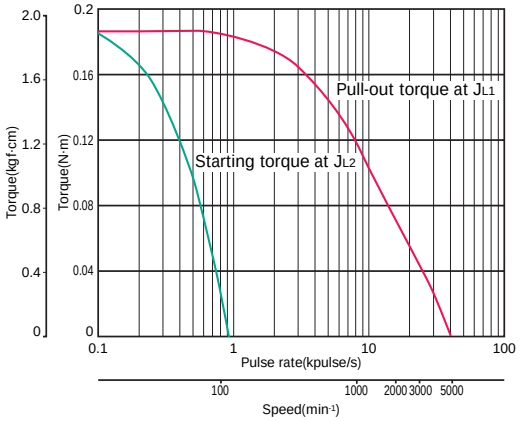
Pulse rate-torque characteristics

●103H5505-7040



Sanyo constant current circuit
Source voltage : 24V DC・Winding current : 0.75A/phase
5-phase excitation (Full step)
J_{L1}=0.94×10^{-4}kg・m^2 (With rubber coupling)
J_{L2}=0.8×10^{-4}kg・m^2 (With direct-coupled coupling)

●103H5508-7040



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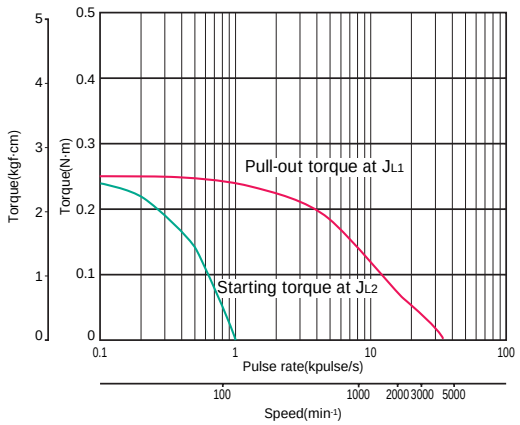
●103H5510-7040



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