

PG10-K20

2024/02/28

Appearance



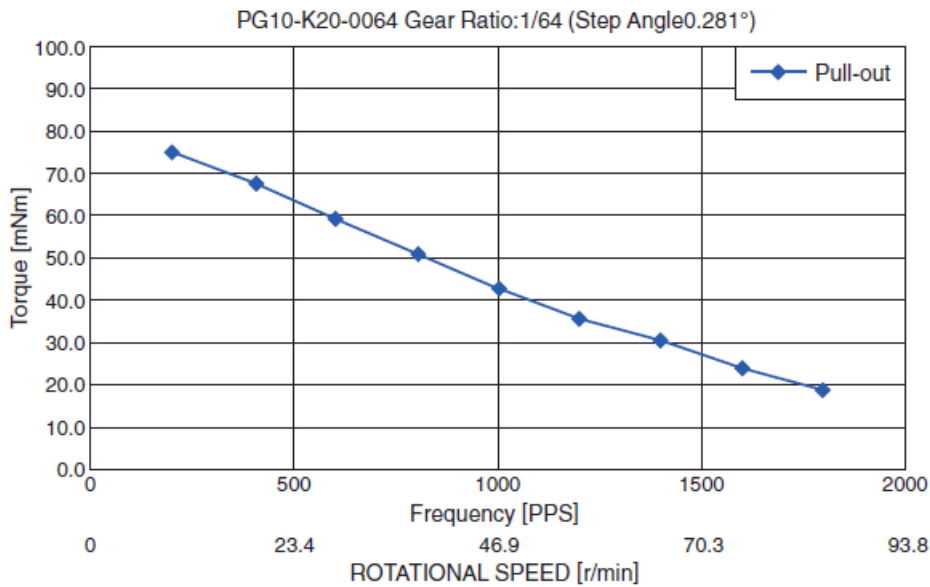
Reference Characteristics

Outer Diameter [mm]	10.0
Magnet Material	Nd-Fe-B bonded magnet (MS70)
Insulation Resistance (M) [Ω/min]	1
Dielectric Strength (AC) [V/min]	100
Drive Method	2-2 phase
Resistance/Phase [Ω]	21.5
Insulation resistance	1M[Ω]Min. at DC100[V]
Dielectric Strength	AC100[V] 1[min]
Class of Insulation	Class E (Except lead wire)
Ambient Temperature Range lower limit [deg.C]	-10
Ambient Temperature Range upper limit [deg.C]	50
Radial Play [mm]	0.10
Axial Play [mm]	0.20

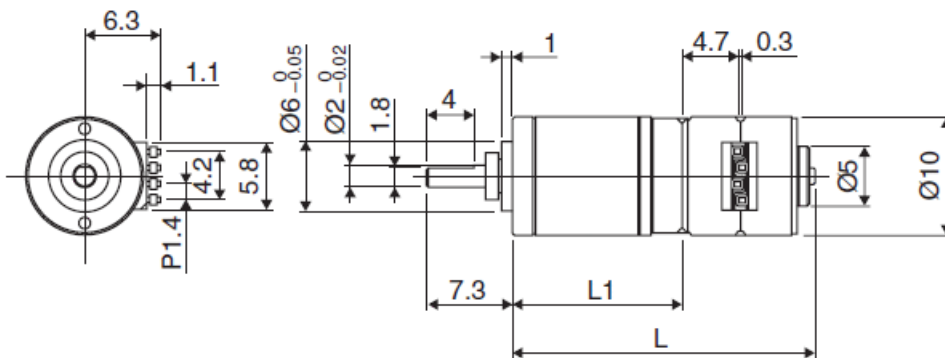
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Torque Characteristic



Overall View



Specifications

Model	Drive Circuit	Drive Voltage [V]	Current/Phase [mA]	Drive IC	Gear Ratio [1:X]	Step Angle [°]
PG10-K20					1:64	0.281

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PG10-K20-0004	BIPOLAR CONST.VOLT.	5	21.5	LB1836M	1:4	4.500
PG10-K20-0016	BIPOLAR CONST.VOLT.	5	21.5	LB1836M	1:16	1.125
PG10-K20-0064	BIPOLAR CONST.VOLT.	5	21.5	LB1836M	1:64	0.281
PG10-K20-0256	BIPOLAR CONST.VOLT.	5	21.5	LB1836M	1:256	0.070
PG10-K20-1024	BIPOLAR CONST.VOLT.	5	21.5	LB1836M	1:1024	0.018

Model	Rated Torque [mN · m]	Rated Torque [gf·cm]	Maximum Instantaneous Torque [mN · m]	Maximum Instantaneous Torque [gf·cm]	Gearhead length L1 [mm]	Full length L [mm]
PG10-K20-0004	20.0	203.0	30.0	306	14.40	25.60
PG10-K20-0016	40.0	408.0	60.0	612	17.30	28.50
PG10-K20-0064	60.0	612.0	80.0	816	20.20	31.40
PG10-K20-0256	75.0	765.0	120.0	1224	23.10	34.30
PG10-K20-1024	75.0	765.0	120.0	1224	26.00	37.20

*PG10-K20-1024 : Please contact us due to specialty.

Applications

Optical Equipment : Projector / Security Camera

Medical Equipment : Blood Analyzer / Tube Pump

Industrial Equipment : Flow Control Valves / Antenna

Adjustment Device

Power Tools : Drills / Drivers

Case Studies

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Case Studies

We can customize to meet your various requests! [Stepping motors]