

PG20L-K20

2024/02/28

Appearance



Reference Characteristics

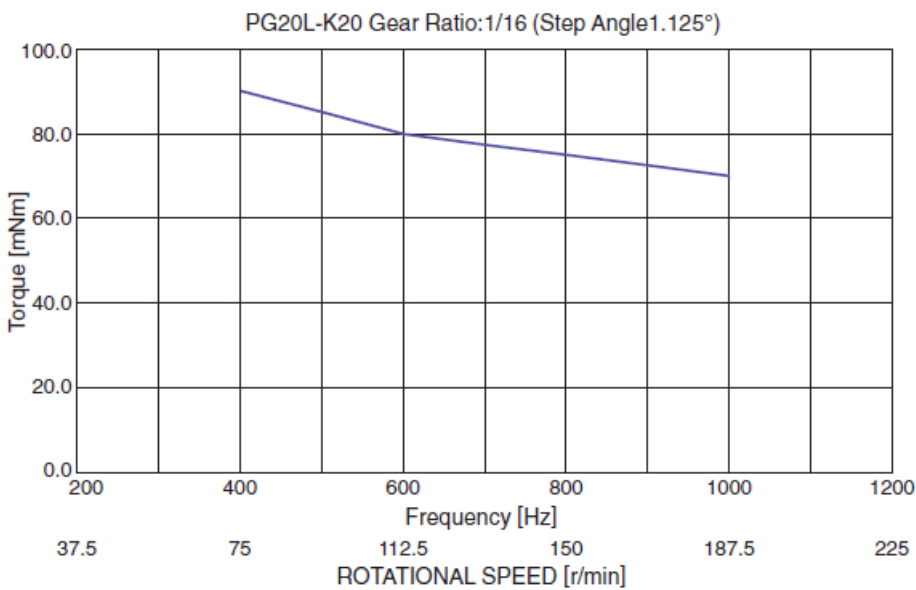
Outer Diameter [mm]	20.0
Magnet Material	Nd-Fe-B bonded magnet (MS70)
Insulation Resistance (M) [Ω/min]	100
Dielectric Strength (AC) [V/min]	500
Current/Phase(Peak) [mA]	400
Drive Method	2-2 phase
Resistance/Phase [Ω]	7.0
Insulation resistance	100M[Ω]Min. at DC500[V]
Dielectric Strength	AC500[V] 1[min]
Class of Insulation	Class E (Except lead wire)
Temperature Rise MAX [deg.C]	65
Ambient Temperature Range lower limit [deg.C]	-10
Ambient Temperature Range upper limit [deg.C]	50

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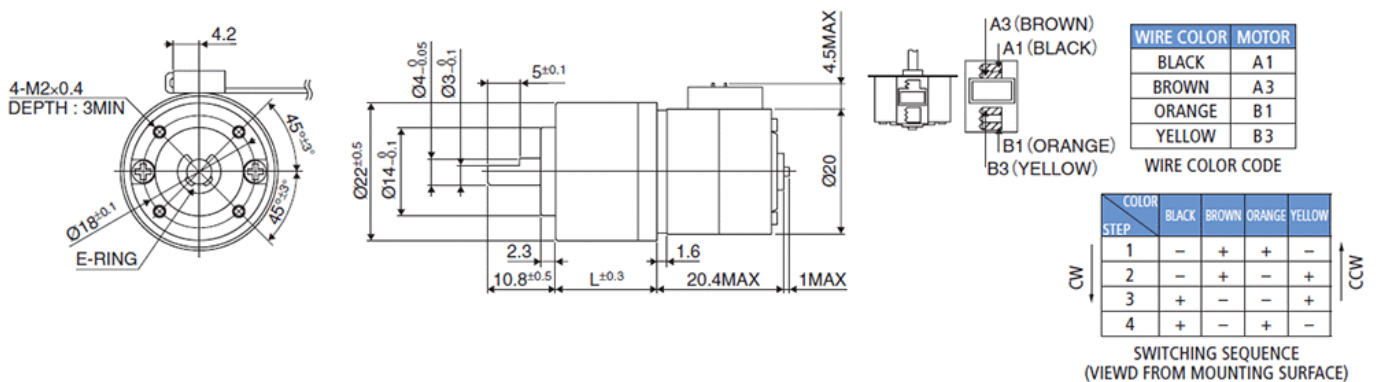
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Radial Play [mm]	0.03
Radial Play Note	*6[mm] from flange
Axial Play [mm]	0.25

Torque Characteristic



Overall View



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Specifications

Model	Drive Circuit	Drive Voltage [V]	Current/Phase [mA]	Drive IC	Gear Ratio [1:X]	Step Angle [°]
PG20L-K20-0004	BIPOLAR CHOPPER	12	7.0	LB1847	1:4	4.500
PG20L-K20-0016	BIPOLAR CHOPPER	12	7.0	LB1847	1:16	1.125
PG20L-K20-0024	BIPOLAR CHOPPER	12	7.0	LB1847	1:24	0.750
PG20L-K20-0064	BIPOLAR CHOPPER	12	7.0	LB1847	1:64	0.281
PG20L-K20-0096	BIPOLAR CHOPPER	12	7.0	LB1847	1:96	0.187
PG20L-K20-0144	BIPOLAR CHOPPER	12	7.0	LB1847	1:144	0.125

Model	Rated Torque [mN · m]	Rated Torque [gf · cm]	Maximum Instantaneous Torque [mN · m]	Maximum Instantaneous Torque [gf · cm]	Gearhead length L1 [mm]
PG20L-K20-0004	49.0	500.0	73.5	750	13.1
PG20L-K20-0016	73.5	750.0	110.3	1125	16.2
PG20L-K20-0024	73.5	750.0	110.3	1125	16.2
PG20L-K20-0064	98.0	1000.0	147.0	1500	19.3
PG20L-K20-0096	98.0	1000.0	147.0	1500	19.3
PG20L-K20-0144	98.0	1000.0	147.0	1500	19.3

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

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