

# PM080FG

## DC Brush Motor



### ● General information

- ▶ IEC 56/B14 Mounting Flange, NEMA34 Optional
- ▶ Used for Servo/Drive application
- ▶ Insulation Class: F With UL certificate per request
- ▶ 2Pole Ceramic Magnet Structure with Low Cogging
- ▶ High Quality ball bearings in both front and rear endcap
- ▶ Continuous Duty
- ▶ Externally Replaceable Brush Structure

### ● Specifications

SPECIFICATION	PM080FG200	PM080FG400	PM080FG500	PM080FG600	PM080FG450
Max Voltage (VDC)	90	90	90	90	90
Continuous Stall Torque (NM)	0.52	0.84	1.2	1.58	0.84
Peak Stall Torque (NM)	2.64	4.23	6	7.97	4.23
Max. Speed (RPM)	6000	4400	4800	3700	6000
Terminal Resistance (OHMS)	1.43	1.83	1.05	1.14	0.91
Inductance (mH)	3.9	5.42	2.93	3.51	2.31
Ke (V/KRPM)	12.5	20	18.4	23.8	13.36
Torque Constant (Nm/Amps)	0.12	0.19	0.17	0.23	0.13
Rotor Inertia (Kg.cm <sup>2</sup> )	1.34	2.33	3.39	4.45	2.33
Friction Torque (Ncm)	3.53	4.24	4.94	5.64	4.23
Damping Torque (Ncm/KRPM)	0.56	0.71	0.85	0.99	0.71
Weight (Kg)	2.54	3.27	3.99	4.77	3.27
L (mm)	121.4	146.8	172.2	197.6	146.8

