

Product Details

Brush DC Motor 14203S009-SP

Note: Product photo is for illustrative purposes. Please refer to Engineering Drawing for specifics.



Motor Series	Series 14000 LO-COG Brush Commutated DC Motors
Frame Size (Mounting Face) (in)	2.125
Motor Frame Size (in)	2.125
Gear Frame Size (in)	n/a
Overall Body Length (in)	3.703
Supply Voltage (V)	24
Continuous Output Torque (oz-in)	21
Output Speed @ Cont. Torque (RPM)	2950
Current @ Cont. Torque (A)	2.8
Continuous Output Power (W)	46
No Load Current (A)	0.24
No Load Output Speed (RPM)	3390
Peak Current (A)	17
Peak Output Torque (oz-in)	160
Motor Constant (oz-in/√W)	7.88
Motor Torque Constant (oz-in/A)	9.26
Motor Voltage Constant (V/krpm)	6.85
Terminal Resistance (Ohms)	1.38
Inductance (mH)	2.3
Coulomb Friction Torque (oz-in)	1.6
Viscous Damping Factor (oz-in/krpm)	0.18
Electrical Time Constant (ms)	1.6
Mechanical Time Constant (ms)	6.8
Thermal Time Constant (min)	26
Thermal Resistance (°C/Watt)	8.1
Maximum Winding Temperature (°C)	155
Rotor Inertia (oz-in-s ²)	0.003
Output Bearing	Ball
Gear Series	n/a
Gear Ratio (xx.x:1)	n/a
Gear Type	n/a
Gear Efficiency	n/a
Gear Maximum Torque (oz-in)	n/a
Encoder Series	n/a
Encoder Resolution (CPR)	n/a
Encoder Output Channels	n/a
Weight (Mass) (oz)	31
Voltage Note	n/a
Torque Warning	n/a



