

Product Details

Brush DC Motor

9236S008-R1

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



Motor Series	Series 9000 LO-COG Brush Commutated DC Motors
Price (USD)	
Frame Size (Mounting Face) (in)	1.58
Motor Frame Size (in)	1.58
Gear Frame Size (in)	n/a
Overall Body Length (in)	3.053
Supply Voltage (V)	24
Continuous Output Torque (oz-in)	9.5
Output Speed @ Cont. Torque (RPM)	3980
Current @ Cont. Torque (A)	1.8
Continuous Output Power (W)	28
No Load Current (A)	0.16
No Load Output Speed (RPM)	4820
Peak Current (A)	9.6
Peak Output Torque (oz-in)	62
Motor Constant (oz-in/ \sqrt{W})	4.11
Motor Torque Constant (oz-in/A)	6.49
Motor Voltage Constant (V/krpm)	4.8
Terminal Resistance (Ohms)	2.49
Inductance (mH)	2.6
Coulomb Friction Torque (oz-in)	0.8
Viscous Damping Factor (oz-in/krpm)	0.053
Electrical Time Constant (ms)	1.1
Mechanical Time Constant (ms)	8.4
Thermal Time Constant (min)	14
Thermal Resistance ($^{\circ}C/Watt$)	14
Maximum Winding Temperature ($^{\circ}C$)	155
Rotor Inertia (oz-in-s ²)	0.001
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)	14
Voltage Note	n/a
Torque Warning	n/a