

Product Details

Brush DC Motor 8224S004-SP

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



Motor Series	Series 8000 LO-COG Brush Commutated DC Motors
Frame Size (Mounting Face) (in)	1.175
Motor Frame Size (in)	1.175
Gear Frame Size (in)	n/a
Overall Body Length (in)	2.445
Supply Voltage (V)	12
Continuous Output Torque (oz-in)	2.6
Output Speed @ Cont. Torque (RPM)	7800
Current @ Cont. Torque (A)	2.3
Continuous Output Power (W)	15
No Load Current (A)	0.36
No Load Output Speed (RPM)	9960
Peak Current (A)	10
Peak Output Torque (oz-in)	15
Motor Constant (oz-in/√W)	1.42
Motor Torque Constant (oz-in/A)	1.54
Motor Voltage Constant (V/krpm)	1.14
Terminal Resistance (Ohms)	1.17
Inductance (mH)	0.58
Coulomb Friction Torque (oz-in)	0.35
Viscous Damping Factor (oz-in/krpm)	0.02
Electrical Time Constant (ms)	0.5
Mechanical Time Constant (ms)	16
Thermal Time Constant (min)	11
Thermal Resistance (°C/Watt)	21
Maximum Winding Temperature (°C)	155
Rotor Inertia (oz-in-s ²)	0.00023
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)	5.8
Voltage Note	n/a
Torque Warning	n/a



