Product Details

DC Gearmotor

GM9236S026-R1

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

Motor Series	Series GM9000 LO-COG Brush Commutated DC Gearmotors
Price (USD)	
Frame Size (Mounting Face) (in)	2
Motor Frame Size (in)	1.58
Gear Frame Size (in)	2.000
Overall Body Length (in)	4.326
Supply Voltage (V)	24
Continuous Output Torque (oz-in)	490
Output Speed @ Cont. Torque (RPM)	59.6
Current @ Cont. Torque (A)	1.9
Continuous Output Power (W)	22
No Load Current (A)	0.24
No Load Output Speed (RPM)	72.9
Peak Current (A)	9.6
Peak Output Torque (oz-in)	3200
Motor Constant (oz-in/√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 (ºC/Watt)	14
Maximum Winding Temperature (ºC)	155
Rotor Inertia (oz-in-s2)	0.001
Output Bearing	Ball
Gear Series	G51A-WF
Gear Ratio (xx.x:1)	65.5
Gear Type	wide face spur
Gear Efficiency	0.8
Gear Maximum Torque (oz-in)	500
Encoder Series	n/a
Encoder Resolution (CPR)	n/a
Encoder Output Channels	n/a
Weight (Mass) (oz)	21
Voltage Note	n/a
Torque Warning	Warning: potential peak torque at rated voltage exceeds gearbox torque capacity. Care must be taken to limit the peak torque so as not to exceed the gearbox rating