

# SPECIFICATIONS

## MOTOR CHARACTERISTICS @ 25C

Specification	Units	Value
Peak Torque, T	oz-in	6.6
Motor Constant, K	oz-in / W	0.851
Number of Poles		4
Weight	oz (nom)	1.8
Motor Inertia, J	oz-in-s <sup>2</sup>	1.50E-04
Friction Torque, T	oz-in	0.20
Electrical Time Constant, T	ms	0.231
Mechanical Time Constant, T	ms	29.26
Temperature Rise, TPR	°C / W	34
Ripple Torque, T	max. avg. to peak (%)	7

## MOTOR WINDING CONSTANTS

Specification	Units	Value
Torque Sensitivity, K	oz-in / amp	4.95
Back EMF, K	V per rad/s	0.035
Terminal Resistance, R	ohms (nom)	33.8
Terminal Inductance, L	mH (nom)	7.8
Voltage, Stalled at Peak Torque, V	volts	45.0
Amps at Peak Torque, I	amps	1.33

## MECHANICAL DIMENSIONS (INCHES)